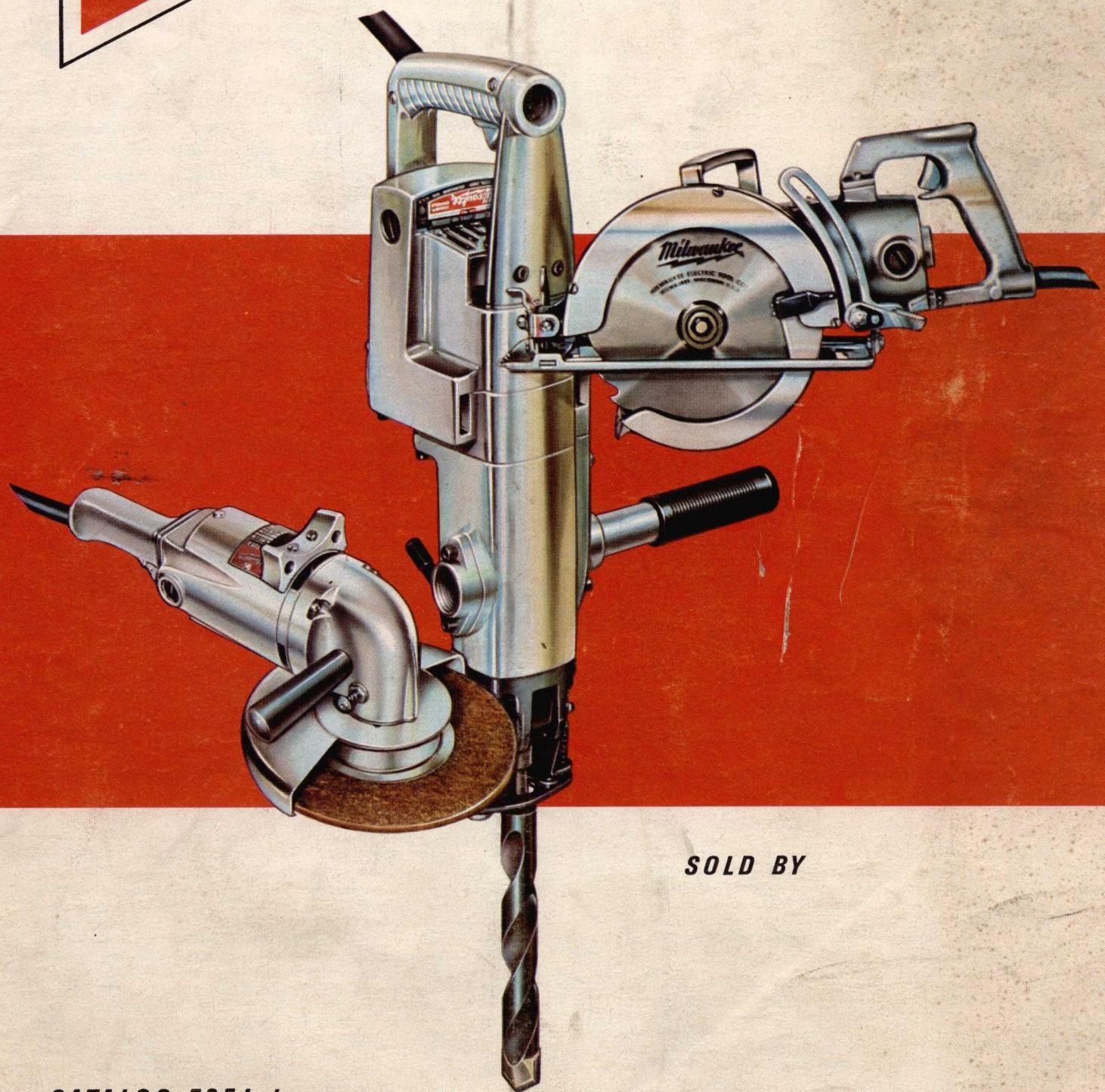


HEAVY-DUTY
TOOLS

FOR CONTRACTORS AND INDUSTRY



SOLD BY

INDEX

ALTERNATORS

| | |
|--|--------------|
| Gasoline Engine Driven | 26 |
| BATTERY POWERED TOOLS | 24-25 |
| CARBIDE-TIP BITS | 7, 13, 15 |
| DIAMOND DRILLING EQUIPMENT | |
| DYMODRILLS, VAC-U-MITE, VAC-U-RIG | |
| DYMOMBITS and Accessories | 18-19 |
| DRILLS, "HOLE-SHOOTERS" | 4, 5, 22, 24 |
| DRILL ACCESSORIES | 4-5-6-7 |
| DRILL BITS | 6-7 |
| DRILL KITS • Right Angle | 5 |
| DRILL STANDS | 4 |
| EXTENSION CORDS | 6, 25 |
| GRINDERS | |
| Bench and Accessories | 20 |
| Disc and Accessories | 21 |
| Portable and Accessories | 20 |
| Tuck Point and Accessories | 20 |
| HAMMERS • Accessories | 13-14-15 |
| Pittsburgh Lock | 22 |
| Rotary Hammer | 14-15 |
| HOLE SAWS | 7 |
| IMPACT WRENCH | 23 |
| MAGNETIC DRILL PRESSES | 17 |
| MITER TABLE • Saw | 10 |
| NUT RUNNERS and Accessories | 16, 24 |
| POLISHERS and Accessories | 23 |
| POWER PACS | 22 |
| RIGHT ANGLE DRIVES | 5 |
| SANDERS | |
| Disc and Accessories | 21 |
| Orbital | 12 |
| SANDER - GRINDERS | |
| Disc and Accessories | 21 |
| SAWS | |
| Chain and Accessories | 8 |
| Circular and Accessories | 10-11 |
| Jig-Saw and Accessories | 12 |
| "SAWZALL" and Blades | 8-9 |
| SCREWDRIVERS and Accessories | 16, 17, 24 |
| SCREWDRIVERS • Drywall | 17 |
| SHEAR • Metal Cutting | 22 |

GENERAL INFORMATION

Unless otherwise indicated, all tools have universal motors operating on direct or single-phase alternating current of 0 to 60 cycles of the specified voltage. Tools have 3-wire conductor cords with strain relievers securely clamped to prevent breaking or straining connections. Cords have unbreakable three prong rubber safety type plugs.

The Milwaukee Electric Tool Corporation reserves the right to make any changes in or improvements on its products without incurring any liability or obligation whatever and without being required to make any corresponding changes or improvements in products previously manufactured or sold.

THE *Milwaukee* STORY

Electric tools today come in different shapes, sizes, prices, and most important — qualities. Some manufacturers make good tools, some not so good. Some make both. It's much the same with prices. Many electric tool buyers today are confused. They don't know what is good, what to buy, what not to buy.

Here is "The MILWAUKEE Story." It's a simple one. Since 1925, when the company was founded, our aim has been the same — to produce tools of the highest quality at a reasonable price. MILWAUKEE is the originator of the famous HOLE-SHOOTER — the first lightweight electric drill. We have always made our own motors, the heart of any electric tool, and for one reason only — we believe we can make them best.

MILWAUKEE Electric Tools are made by a privately owned company, a sound company with no outside investors demanding dividends. We try to spend our advertising dollars wisely. When you buy a MILWAUKEE Tool you pay for a good tool, not an extravagant advertising program. Our best advertising is the reputation for dependability given MILWAUKEE Tools by those who use them.

Although you might suspect it from our reasonable prices, WE DO NOT MAKE HOME WORKSHOP TOOLS. WE MAKE TOOLS FOR THOSE WHO MAKE A LIVING WITH GOOD TOOLS. We believe a lot of people want to buy, sell, and use good electric tools, and the progress we are making indicates we are right. Every new tool we make — like the well known MILWAUKEE Sawzall — is made for commercial use.

Those who buy an electric tool with a MILWAUKEE name-plate are not confused. They can be sure it has no plain (bronze) bearings and is not made for only "light" or "intermittent" service. If the name plate says MILWAUKEE it will do a hard day's work — all day — every day.

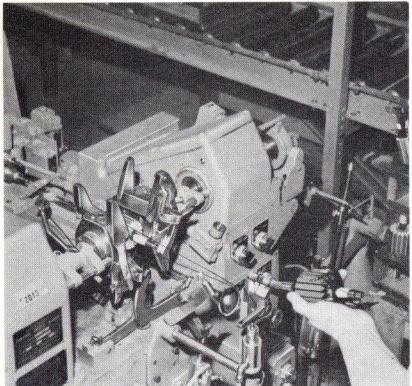
If you buy, sell or use good electric tools —

BUY THE BEST — BUY MILWAUKEE

GUARANTEE

Every MILWAUKEE Tool is thoroughly inspected and tested before leaving the factory. It is guaranteed against defective workmanship and materials. Should any trouble develop, return the complete tool prepaid to the Factory, Branch or nearest Authorized MILWAUKEE Service Station. If inspection shows trouble is caused by defective workmanship or material, all repairs will be made without charge, F.O.B. Factory, Branch or Authorized Service Station. The guarantee does not apply where: Repairs or attempted repairs have been made by persons other than Factory, Branch or Authorized Service Station personnel; repairs are due to normal wear; the tool has been abused or in an accident; misuse is evident — caused by overloading the tool beyond its rated capacity, use of the tool after partial failure or use with improper accessories. No other guarantee, written or verbal, is authorized.

Quality Materials and Workmanship



ARMATURE WINDING



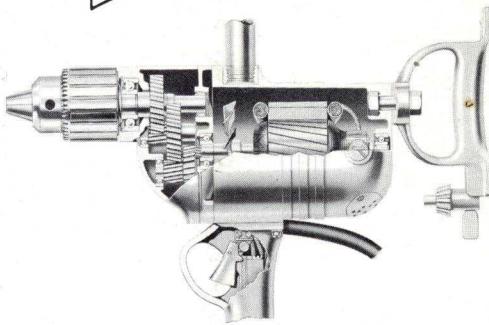
WELDED ARMATURES



DYNAMIC BALANCING

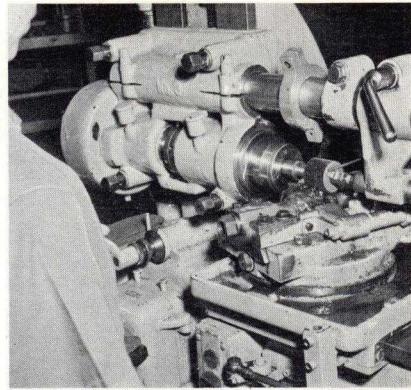


MOTOR INSPECTION

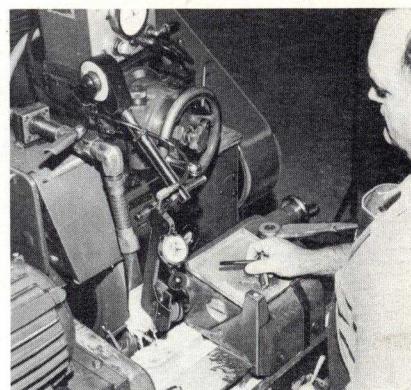


MILWAUKEE BUILT MOTORS

For over 40 years, MILWAUKEE has designed and built their own motors. From the highest quality raw materials to the final test run, these heavy-duty motors are subjected to the most rigid inspections and controls possible. Armatures and fields with high temperature windings are specially impregnated and baked to seal them against moisture, abrasive dust and grounding. Lead wires are individually welded to commutator bars to withstand high temperatures without motor damage. Rotor assemblies are dynamically balanced to assure true running, higher efficiency and longer tool life.



HELICAL-CUT STEEL GEARS



MULTIPLE PRECISION GRINDING

MACHINED PARTS

Every gear and shaft used in a MILWAUKEE portable electric tool is machined, heat treated and ground in our own plant under strict quality control. Helical-cut steel alloy gears provide smoother, quieter and more reliable power transmission. Threads on spindles and shafts are ground only after heat treating to eliminate the possibility of distortion. 100% inspection of machined parts assures conformity to all specifications.

QUALITY CONTROL

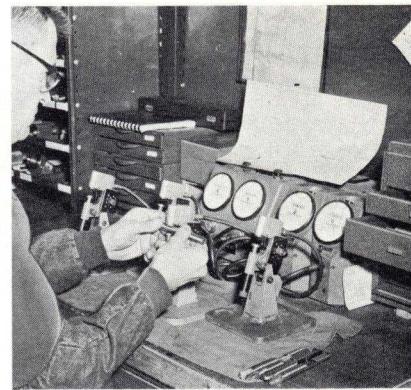
In addition to continuous quality checks throughout manufacture and assembly, every MILWAUKEE Tool is subjected to final inspection and test run. All electrical, mechanical and physical features of each tool are thoroughly rechecked during operation.

TESTED

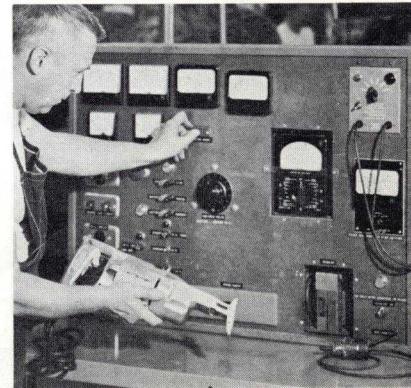


LISTED

MILWAUKEE Heavy-Duty tools bearing monograms of Underwriters Laboratories, Inc., or Canadian Standards Association are listed by their laboratories for industrial use.



MACHINED PARTS INSPECTION



FINAL TESTING

HEAVY-DUTY HOLE-SHOOTERS ALL BALL and ROLLER BEARINGS

1/4" HOLE-SHOOTER ^APistol Grip
"IN-LINE" DESIGN

Best $\frac{1}{4}$ " drill value—lightweight—4 lifetime lubricated ball bearings—dynamically balanced rotor—24 bar commutator—Jacobs industrial key chuck with rubber-flex key holder—lockable pinch-proof trigger. Especially made for general maintenance. Single gear reduction.



1/4" to 3/8" HOLE-SHOOTERS

Pistol Grip

Most powerful pistol drills made—for production drilling—deliver

top horsepower at maximum efficiency—heat-treated alloy steel gears—hardened shafts—lockable trigger-switch—Jacobs industrial key chuck with rubber-flex key holder. Double gear reduction.



1/4" to 3/8" HOLE-SHOOTERS

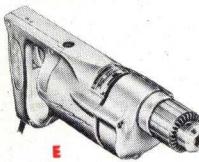
Side Handle Grip

For close quarter production drilling. Short, compact, evenly balanced—heat-treated alloy steel gears—hardened shafts—lockable, pinch-proof trigger-switch—Jacobs industrial key chuck and rubber-flex key holder. Double gear reduction.

1/4" HOLE-SHOOTERS
FOR GENERAL PURPOSE DRILLING

For general maintenance with power for continuous duty—Helical-cut steel gears—hardened shafts—lockable pinch-proof

trigger-switch—Jacobs industrial key chuck and spring-clip key holder—available in 2 models, 1900 and 2500 rpm—single gear reduction. $\frac{1}{3}$ H.P. motor. Side handle Catalog No. 49-15-0200 is available.



1/4" to 3/8" HOLE-SHOOTERS

Four heavy-duty production drills preferred for their ability to stand up under continuous load at their full

$\frac{1}{3}$ H.P. rating. Helical-cut steel gears—hardened shafts—lockable pinch-proof trigger-switch—Jacobs industrial key chuck and rubber-flex key holder—auxiliary side handle—Double gear reduction.

1/2" HOLE-SHOOTERS
FOR GENERAL PURPOSE HEAVY-DUTY DRILLING

For high torque and maximum power. Compact—lightweight—helical-cut steel gears—hardened shafts—

ball and roller bearings—lockable pinch-proof trigger-switch, Jacobs industrial key chuck, rubber-flex key holder and side handle are included. The 560 RPM drill is for general purpose—the 450 and 320 RPM drills have greater torque for large hole wood-boring.

| Group | Catalog No. | Cap. (In.) in Steel | Volts | Spindle Dia. and Thread | Speed rpm No Load | Gear Train | Lghth. (In.) | Net Wgt. (Lbs.) | Shp. Wgt. (Lbs.) |
|-------|--------------------------------------|-----------------------------|--------------------------|-------------------------|-------------------|------------|-----------------|-----------------|------------------|
| A | 0100 | $\frac{1}{4}$ | 115 | $\frac{3}{8}''$ -24 | 2000 | Sngl. | $8\frac{3}{4}$ | $3\frac{1}{2}$ | 6 |
| | 0120 0120-2 | $\frac{1}{4}$ 230 | 115 230 | $\frac{3}{8}''$ -24 | 2000 | Dbl. | $9\frac{1}{2}$ | $3\frac{3}{4}$ | 6 |
| | 0140 | $\frac{1}{4}$ | 115 | $\frac{3}{8}''$ -24 | 3500 | Dbl. | $9\frac{1}{2}$ | $3\frac{3}{4}$ | 6 |
| | 0160 ★ | $\frac{1}{4}$ | 115 | $\frac{3}{8}''$ -24 | 5000 | Dbl. | $9\frac{1}{2}$ | $3\frac{3}{4}$ | 6 |
| | 0180 | $\frac{1}{4}$ | 115 | $\frac{3}{8}''$ -24 | 2500 | Dbl. | $9\frac{1}{2}$ | $3\frac{3}{4}$ | 6 |
| | 0190 | $\frac{1}{4}$ | 115 | $\frac{3}{8}''$ -24 | 1700 | Dbl. | $9\frac{1}{2}$ | $3\frac{3}{4}$ | 6 |
| | 0200 | $\frac{5}{16}$ | 115 | $\frac{3}{8}''$ -24 | 1000 | Dbl. | 10 | $3\frac{3}{4}$ | 6 |
| B | 0220 0220-2 | $\frac{3}{8}$ 230 | 115 230 | $\frac{3}{8}''$ -24 | 650 | Dbl. | $10\frac{1}{4}$ | 4 | 7 |
| | 0270 | $\frac{1}{4}$ | 115 | $\frac{3}{8}''$ -24 | 2000 | Dbl. | $7\frac{3}{4}$ | $3\frac{3}{4}$ | 6 |
| | 0290 | $\frac{1}{4}$ | 115 | $\frac{3}{8}''$ -24 | 3500 | Dbl. | $7\frac{3}{4}$ | $3\frac{3}{4}$ | 6 |
| | 0310 ★ | $\frac{1}{4}$ | 115 | $\frac{3}{8}''$ -24 | 5000 | Dbl. | $7\frac{3}{4}$ | $3\frac{3}{4}$ | 6 |
| | 0330 | $\frac{1}{4}$ | 115 | $\frac{3}{8}''$ -24 | 2500 | Dbl. | $7\frac{3}{4}$ | $3\frac{3}{4}$ | 6 |
| | 0350 | $\frac{5}{16}$ | 115 | $\frac{3}{8}''$ -24 | 1000 | Dbl. | 8 | $3\frac{3}{8}$ | 6 |
| | 0370 | $\frac{3}{8}$ | 115 | $\frac{3}{8}''$ -24 | 650 | Dbl. | $8\frac{1}{4}$ | 4 | 7 |
| D | 0600 0600-2 | $\frac{1}{4}$ 230 | 115 230 | $\frac{3}{8}''$ -24 | 1900 | Sngl. | $10\frac{3}{4}$ | $5\frac{1}{4}$ | 8 |
| | 0620 | $\frac{1}{4}$ | 115 | $\frac{3}{8}''$ -24 | 2500 | Sngl. | $10\frac{3}{4}$ | $5\frac{1}{4}$ | 8 |
| E | 0800 0800-2 | $\frac{1}{4}$ 230 | 115 230 | $\frac{1}{2}''$ -20 | 2000 | Dbl. | $11\frac{1}{8}$ | $5\frac{1}{2}$ | 9 |
| | 0850 0850-2 | $\frac{5}{16}$ 230 | 115 230 | $\frac{1}{2}''$ -20 | 1400 | Dbl. | 12 | $5\frac{1}{2}$ | 9 |
| | 0870 0870-2 | $\frac{3}{8}$ 230 | 115 230 | $\frac{1}{2}''$ -20 | 1000 | Dbl. | $12\frac{1}{4}$ | $6\frac{1}{4}$ | 10 |
| | 0890 0890-2 | $\frac{3}{8}$ 230 | 115 230 | $\frac{1}{2}''$ -20 | 850 | Dbl. | $12\frac{1}{4}$ | $6\frac{1}{4}$ | 10 |
| F | 1000 1000-1 Rev. 1000-2 | $\frac{1}{2}$ 115 230 | 115 115 230 | $\frac{1}{2}''$ -20 | 560 | Dbl. | $12\frac{1}{4}$ | $6\frac{1}{2}$ | 10 |
| | 1100 1100-1 Rev. 1100-2 | $\frac{1}{2}$ 115 230 | 115 115 230 | $\frac{1}{2}''$ -20 | 450 | Trpl. | $12\frac{1}{4}$ | $6\frac{3}{4}$ | 10 |
| | 1200 1200-1 Rev. 1200-2 | $\frac{1}{2}$ 115 230 | 115 115 230 | $\frac{1}{2}''$ -20 | 320 | Trpl. | $12\frac{1}{4}$ | $6\frac{3}{4}$ | 10 |

All drills have hardened steel gears and shafts and Jacobs industrial chucks.

Side handle adjustable full 360° furnished as standard equipment with all drills in "E" and "F" group.

★ Recommended only for drilling skin aluminum and other non-ferrous metals.

NOTE: Abbreviation "Rev." following Catalog No. indicates reversing motor.

No Drills Available with Reversing Motors in 230 Volts.

Drills designed for stationary mounting in multiple set up and semi-automation are available. See POWER PACS bottom page 22.

DRILL PRESS STANDS and BENCH BASE



WHEN ORDERING, USE CATALOG NUMBERS



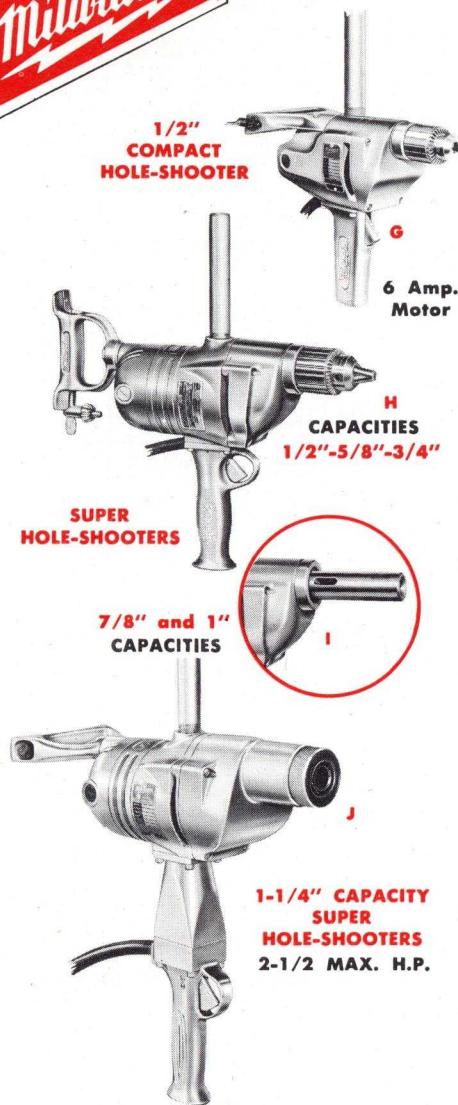
HEAVY-DUTY SUPER HOLE-SHOOTERS

ALL BALL and ROLLER BEARINGS

SPECIFICATIONS

Unless otherwise specified all drills have Jacobs Industrial, geared, key-type chucks.

Morse Taper Sockets are optional equipment for drills Nos. 1700, 1750 and 1850. The $\frac{1}{2}$ " drill uses a No. 1 Morse Taper Socket . . . the $\frac{5}{8}$ " and $\frac{3}{4}$ " drills use a No. 2 Morse Taper Socket. Sockets thread on $\frac{5}{8}$ "-16 spindle.



| Group | Catalog No. | Cap. (In.) in Steel | Volts | Spindle Dia. and Thread | Speed rpm No Load | Gear Train | Lgh. (In.) | Net Wgt. (Lbs.) | Ship. Wgt. (Lbs.) |
|-------|-------------------------------|--|-------------------|--|-------------------|------------|------------------|------------------|-------------------|
| G | 1600 1600-1 Rev. 1600-2 | $\frac{1}{2}$ | 115 115 230 | $\frac{1}{2}$ "-20 $\frac{5}{8}$ "-16 $\frac{1}{2}$ "-20 | 600 | Dbl. | 12 $\frac{1}{4}$ | 9 $\frac{1}{2}$ | 13 |
| | 1620 1620-1 Rev. | $\frac{5}{8}$ " w/ $\frac{1}{2}$ " Chuck | 115 | $\frac{1}{2}$ "-20 | 900 | Dbl. | 12 $\frac{1}{4}$ | 9 $\frac{1}{2}$ | 13 |
| | 1650 1650-1 Rev. 1650-2 | $\frac{1}{2}$ | 115 115 230 | $\frac{1}{2}$ "-20 $\frac{5}{8}$ "-16 $\frac{1}{2}$ "-20 | 450 | Trpl. | 12 $\frac{1}{4}$ | 9 $\frac{1}{2}$ | 13 |
| H | 1700 1700-1 Rev. 1700-2 | $\frac{1}{2}$ | 115 115 230 | $\frac{5}{8}$ "-16 #6 J.T.* $\frac{5}{8}$ "-16 | 600 | Dbl. | 16 | 14 $\frac{3}{4}$ | 19 21 19 |
| | 1750 1750-1 Rev. 1750-2 | $\frac{5}{8}$ | 115 115 230 | $\frac{5}{8}$ "-16 #3 J.T.* $\frac{5}{8}$ "-16 | 525 | Trpl. | 16 $\frac{1}{2}$ | 15 $\frac{3}{4}$ | 20 22 20 |
| | 1850 1850-1 Rev. 1850-2 | $\frac{3}{4}$ | 115 115 230 | $\frac{5}{8}$ "-16 #3 J.T.* $\frac{5}{8}$ "-16 | 400 | Trpl. | 16 $\frac{1}{2}$ | 16 $\frac{3}{4}$ | 20 22 20 |
| | 1870 | ★ | 115 | $\frac{3}{4}$ "-16 | †900 | Dbl. | 16 $\frac{1}{2}$ | 16 $\frac{3}{4}$ | 20 |
| I | 2000 2000-2 | $\frac{5}{8}$ | 115 230 | ▲ ▲ | 350 | Trpl. | 18 | 15 $\frac{3}{4}$ | 18 |
| | 2020 | ★ | 115 | $\frac{5}{8}$ "-16 | | | 16 $\frac{1}{2}$ | 16 $\frac{3}{4}$ | 19 |
| | 2200 2200-1 Rev. 2200-2 | 1 | 115 115 230 | ‡ ‡ ‡ | 350 | Trpl. | 18 $\frac{3}{4}$ | 16 $\frac{1}{2}$ | 23 |
| J | 2300 2300-2 | ★ ★ | 115 230 | $\frac{3}{4}$ "-16 $\frac{3}{4}$ "-16 | | | | | |
| | 2400 2400-1 Rev. 2400-2 | 1 $\frac{1}{4}$ | 115 115 230 | ● | \$250 | Trpl. | 16 $\frac{3}{4}$ | 21 $\frac{1}{2}$ | 26 |

★ With $\frac{3}{4}$ " Jacobs Geared, Key-Type Chuck. † With No. 3 Morse Taper Socket.

* Jacobs Taper Spindle.

▲ With No. 2 Morse Taper Socket.

● With No. 3 Internal Morse Taper Socket.

‡ For Large Hole Wood Boring only. § Special speeds are available for catalog No. 2400 of 350, 500, 750 and 900 RPM in 115 or 230 Volts. Contact factory for prices and delivery. "Rev." after Catalog No. indicates reversing type motor. Not Available Reversing in 230 Volts.

RIGHT ANGLE DRILL KITS

for PLUMBERS and ELECTRICIANS

Designed for use as a straight drill or with right angle drive for drilling between studs, joists, and in other close quarters. With right angle unit—a choice of 2 drilling speeds—high speed for small holes—low speed for large holes where greater torque is required. See below for description of right angle unit.

PLUMBER'S KITS

CATALOG NO. 3100 Kit contains No. 1100 heavy-duty $\frac{1}{2}$ " Drill, No. 2870 Right Angle Drive, $\frac{1}{8}$ " Auger bit, $2\frac{1}{8}$ " Selfeed bit, wrench, side handle, chuck remover bar and steel carrying case.

CATALOG NO. 3200 Same as above except with No. 1200 heavy-duty $\frac{1}{2}$ " Drill with slower speed and greater torque.

ELECTRICIAN'S KIT

CATALOG NO. 3000 Kit includes No. 1000 heavy-duty $\frac{1}{2}$ " Drill, No. 2870 Right Angle Drive, $\frac{3}{4}$ " electricians bit, wrench, chuck remover bar, side handle and steel carrying case.

SPECIFICATIONS

| Catalog No. | Volts | Ship. Wgt. Lbs. |
|-------------|-------|-----------------|
| 3100 | 115 | 25 |
| 3200 | 115 | 25 |
| 3000 | 115 | 21 |

Available Reversing Motor. Add -1 after catalog number when ordering
230 Volts Available. Add -2 after catalog number when ordering
Not available Reversing in 230 Volts.

STEEL CARRYING CASE
(when ordered separately)
For D-Handle Right Angle Drill
Catalog No. 48-55-0080

RIGHT ANGLE DRIVE UNITS

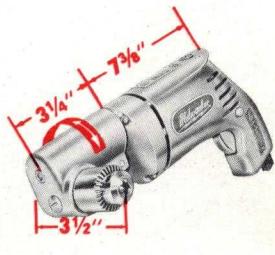
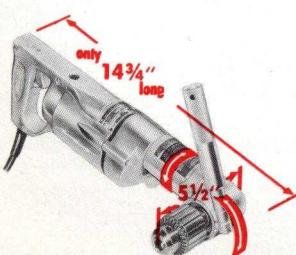
for D-HANDLE DRILLS

Cat. No. 2870 Fits Drills in group E and F (page 4). Provides 2 more drilling speeds. For drilling between studs, joists and in close quarters. Head swivels 360° . Locks in position. Drill or Chuck not included. Net Wt. 2 lbs. Ship. Wt. 3 lbs.

For drills with reversing motors specify
Catalog No. 2870-1

for PISTOL DRILLS

Cat. No. 2890 Fits Drills Nos. 0120, 0180, 0190, 0200, 0220, 0270, 0330, 0350, 0370 (page 4). Converts Drill to Right Angle Drill. For tight spot drilling. One to one gear ratio. Head swivels 360° . Locks in position. Drill or Chuck not included. Ship. Wt. 1 lb.



WHEN ORDERING, USE CATALOG NUMBERS

HIGH QUALITY DRILL ACCESSORIES



SELFEED BIT



7/16" HEX.
EXTENSION
SHANK

SELFEED BITS feed into work without pressure. $\frac{7}{16}$ " shanks have 3 milled flats for secure chuck grip. Side of bit tapered and beveled for easy removal from hole. Inside blade shaves hole radius. Reversible and replaceable feed screw pilot. Bit sharpener guide and socket wrench included. AUGER BITS are precision made of special analysis steel. Pilot draws bit into wood. All Auger Bits 4" twist and $6\frac{1}{2}$ " long with $\frac{7}{16}$ " hex shanks. ELECTRICIAN'S BIT of heat-treated alloy steel. $\frac{7}{16}$ " shank. 3 milled flats. Length $6\frac{3}{8}$ ".

PLUMBER'S BIT KIT

A complete assortment of most commonly used MILWAUKEE Bits for BIG-HOLE drilling. Sizes include $\frac{7}{16}$ ", $1\frac{1}{8}$ ", $1\frac{1}{4}$ ", $1\frac{1}{2}$ " Auger Bits and the famous MILWAUKEE "Selfeed" Bits in $1\frac{3}{4}$ ", $2\frac{1}{8}$ ", and $2\frac{5}{8}$ " diameters. Also $5\frac{1}{2}$ " hex extension shank and coupling, extra double-end feed screw pilot, bit sharpener guide, socket wrench and steel carrying case. Shipping Weight $8\frac{1}{2}$ lbs. BIT KIT (complete) Cat. No. 49-22-0060 Carrying Case only Cat. No. 48-55-0030



DRILL ACCESSORIES

| Catalog No. | Description |
|-------------|---|
| 49-92-1100 | Grinding Wheel 4"x $1\frac{1}{2}$ "x $\frac{3}{8}$ " hole |
| 48-52-3200 | Wire Wheel Brush 4"x $1\frac{1}{2}$ "x $\frac{3}{8}$ " hole |
| 49-93-0050 | Cloth Buffing Wheel 4"x $\frac{3}{8}$ " hole |
| 48-07-0050 | Arbor ($\frac{3}{8}$ " dia. x $\frac{1}{4}$ " shank) For |
| 48-07-0060 | Arbor ($\frac{3}{8}$ " dia. x $\frac{3}{8}$ " shank) Above |
| 49-15-0100 | Auxiliary Side Handle (pistol drill) |
| 49-15-0200 | Auxiliary Side Handle (D handle drills) |
| 48-98-0050 | Feed Screw Attachment |
| | Rubber-Flex Key Holders |
| 48-66-4040 | For Key 48-66-(3240-3080-3280) |
| 48-66-4080 | For Key 48-66-3200 |
| 48-52-0500 | Carbon Removing Brush |
| 49-08-0500 | $\frac{1}{2}$ lb. can "A" Grease |
| 49-08-0800 | 1 lb. can "A" Grease |
| 48-03-0010 | Plug Adapter |

CHUCKS AND MORSE TAPER SOCKETS



JACOBS INDUSTRIAL CHUCKS

(Chuck Key included with each chuck ordered.)

| Catalog No. | Cap. | Thread Size | Catalog No. |
|-------------|------------------|--------------------|-------------|
| 48-66-0260 | $\frac{1}{4}$ " | $\frac{3}{8}$ "-24 | 48-66-3200 |
| 48-66-0300 | $\frac{1}{4}$ " | $\frac{1}{2}$ "-20 | 48-66-3200 |
| 48-66-0500 | $\frac{5}{16}$ " | $\frac{3}{8}$ "-24 | 48-66-3240 |
| 48-66-0540 | $\frac{3}{16}$ " | $\frac{1}{2}$ "-20 | 48-66-3240 |
| 48-66-0800 | $\frac{3}{8}$ " | $\frac{3}{8}$ "-24 | 48-66-3080 |
| 48-66-0840 | $\frac{3}{8}$ " | $\frac{1}{2}$ "-20 | 48-66-3280 |
| 48-66-0880 | $\frac{3}{8}$ " | $\frac{5}{8}$ "-16 | 48-66-3280 |
| 48-66-1280 | $\frac{1}{2}$ " | $\frac{1}{2}$ "-20 | 48-66-3280 |
| 48-66-1440 | $\frac{1}{2}$ " | $\frac{5}{8}$ "-16 | 48-66-3120 |
| 48-66-1640 | $\frac{5}{8}$ " | $\frac{5}{8}$ "-16 | 48-66-3120 |
| 48-66-2040 | $\frac{3}{8}$ " | $\frac{5}{8}$ "-16 | 48-66-3160 |
| 48-66-2050 | $\frac{3}{4}$ " | $\frac{3}{4}$ "-16 | 48-66-3160 |

§ JACOBS CHUCKS for DRILLS with REVERSING MOTORS

(Chuck Key included with each chuck ordered.)

| | | | |
|------------|-----------------|--------------------|------------|
| 48-66-1360 | $\frac{1}{2}$ " | $\frac{1}{2}$ "-20 | 48-66-3280 |
| 48-66-1380 | $\frac{1}{2}$ " | $\frac{5}{8}$ "-16 | 48-66-3280 |
| 48-66-1480 | $\frac{1}{2}$ " | #6 Taper | 48-66-3120 |
| 48-66-1680 | $\frac{5}{8}$ " | #3 Taper | 48-66-3120 |
| 48-66-2080 | $\frac{3}{4}$ " | #3 Taper | 48-66-3160 |

§ Chucks for other drills with reversing motors . . . specify model and serial numbers.

★ MORSE TAPER SOCKETS

(Drift Key included with each socket ordered.)

| | | | |
|------------|------|--------------------|------------|
| 49-66-0500 | #1MT | $\frac{5}{8}$ "-16 | 48-86-0050 |
| 49-66-0600 | #2MT | $\frac{5}{8}$ "-16 | 48-86-0060 |
| 49-66-0700 | #3MT | $\frac{5}{8}$ "-16 | 48-86-0070 |

★ See page 5 for sizes required for specific Drill models.



ELECTRICIAN'S BIT

| Catalog No. | Description | For Std. Pipe Sizes |
|---------------------------------------|----------------------------------|---------------------|
| "SELFEED" BITS and ACCESSORIES | | |
| 48-25-1750 | $1\frac{3}{4}$ " dia. | 1" |
| 48-25-2120 | $2\frac{1}{2}$ " dia. | $1\frac{1}{2}$ " |
| 48-25-2250 | $2\frac{1}{4}$ " dia. | — |
| 48-25-2560 | $2\frac{5}{8}$ " dia. | 2" |
| 48-28-6850 | Dble. Feed Screw Pilot | |
| 48-28-3112* | $5\frac{1}{2}$ " Extension Shank | |
| 48-28-3115* | 12" Extension Shank | |
| 48-28-3300* | 18" Extension Shank | |
| 48-28-0920* | Ext. Shank Coupling | |
| 48-28-3400▲ | 1 pc. Ext. Shank 18" | |
| 48-28-3500▲ | 1 pc. Ext. Shank 24" | |
| 49-96-0060 | Socket Wrench | |
| AUGER BITS | | |
| 48-13-0750 | $\frac{3}{4}$ " x 4" Twist | |
| 48-13-0870 | $\frac{7}{8}$ " x 4" Twist | $\frac{3}{8}$ " |
| 48-13-1000 | 1" x 4" Twist | |
| 48-13-1120 | $1\frac{1}{8}$ " x 4" Twist | $\frac{1}{2}$ " |
| 48-13-1250 | $1\frac{1}{4}$ " x 4" Twist | $\frac{3}{4}$ " |
| 48-13-1370 | $1\frac{3}{8}$ " x 4" Twist | |
| 48-13-1500 | $1\frac{1}{2}$ " x 4" Twist | 1" |
| 48-19-0075 | $\frac{3}{4}$ " Electricians Bit | |

Extension Shanks are for Selfeed and Auger Bits.

*Require Extension Shank Coupling.

▲Coupling is part of one piece Extensions.



ARBORS FOR ABOVE WHEELS



Use with drills in group H, I, and J page 5.



PLUG ADAPTER



RUBBER-FLEX
KEY HOLDERS



CARBON
REMOVING
BRUSH

EXTENSION CORDS



These cords are oil resistant, Heavy-Duty Neoprene with molded-on plugs and duplex connectors.

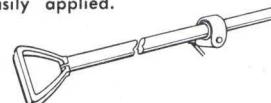
Catalog No. 48-76-0100 25' lg. type SO 14 ga.

Catalog No. 48-76-0110 50' lg. type SO 14 ga.

Catalog No. 48-76-0120 50' lg. type SJO 16 ga.

LONG ARM EXTENSION

Fits D-Handle Right Angle Drills. For drilling overhead. Drill clamps in cradle. When foot is placed in stirrup at the floor, forward drilling pressure can be easily applied.



Cat. No. 48-95-0500

FLAT BORING BITS

For Use With Pistol Drills Only

3 Milled Flats for
Secure Chuck Grip

Bits sizes $\frac{3}{8}$ " thru 1" have $\frac{1}{4}$ " shank. Bits $1\frac{1}{8}$ " thru $1\frac{1}{2}$ " have $\frac{3}{8}$ " shank.

| Dia. | Cat. No. |
|-------------------|------------|
| $\frac{3}{8}$ " | 48-27-0370 |
| $\frac{1}{2}$ " | 48-27-0500 |
| $\frac{9}{16}$ " | 48-27-0560 |
| $\frac{5}{8}$ " | 48-27-0620 |
| $1\frac{1}{16}$ " | 48-27-0680 |
| $\frac{3}{4}$ " | 48-27-0750 |
| $1\frac{3}{16}$ " | 48-27-0810 |
| $\frac{7}{8}$ " | 48-27-0870 |
| 1" | 48-27-1000 |
| $1\frac{1}{8}$ " | 48-27-1120 |
| $1\frac{1}{4}$ " | 48-27-1250 |
| $1\frac{3}{8}$ " | 48-27-1370 |
| $1\frac{1}{2}$ " | 48-27-1500 |

Premium high speed tungsten steel. Bores clean holes fast at any angle in wood, plastic, plywood, formica. Cuts through ordinary embedded nails or screws without affecting cutting edges. Easily resharpened.

FLAT BORING BIT KIT



Contains 6 popular size flat boring bits in heavy protective plastic. Assortment includes $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ ", $\frac{3}{4}$ ", $\frac{7}{8}$ " and 1" sizes in pockets for orderly storage and easy size selection.

WHEN ORDERING, USE CATALOG NUMBERS



High Speed Edges
6 Teeth Per Inch
Arbor not included with Hole Saw.

HIGH QUALITY DRILL ACCESSORIES

HEAVY-DUTY HOLE SAWS

Deep Cutting and Standard Types

MILWAUKEE Hole Saws are high production tools for sawing holes in all machineable materials. A most economical means of extending the useful range of portable drills, drill presses and lathes. High speed cutting edges welded to rigid steel bodies produce clean, accurate holes. Shatter-proof construction makes them safe to use and provides an extra margin of durability. Arbors and Hole Saws are interchangeable with most other brands.

DEEP CUTTING HOLE SAWS

Cut to $1\frac{3}{4}$ " depth. Especially suited for cutting thru 2" dressed lumber.

STANDARD HOLE SAWS

Cut to $1\frac{1}{4}$ " depth.



HOLE SAW KITS

Standard Hole Saw Kit consists of $\frac{7}{8}$ ", $1\frac{1}{8}$ ", $1\frac{1}{2}$ ", $1\frac{3}{4}$ ", 2 ", $2\frac{1}{2}$ " sizes; Arbors Nos. 49-56-(7000 and 7055) and steel case.

Catalog No. 49-22-4050

Deep Cutting Hole Saw Kit consists of 1 ", $1\frac{1}{4}$ ", $1\frac{1}{2}$ ", $1\frac{3}{4}$ ", $2\frac{1}{4}$ ", 3 ", $3\frac{1}{8}$ " sizes; Arbors Nos. 49-56-(7000 and 7055) and steel case.

Catalog No. 49-22-4060

STEEL CASE ONLY Used with either of above kits
Catalog No. 48-55-0760

HOLE SAW SPECIFICATIONS

| Hole Dia. Size | Catalog Number | Use with Arbor No. | Pipe Sizes | | For Copper Pipe Size (I.D.) | | | |
|---|----------------|--------------------|------------|------------------|-----------------------------|--|--|--|
| | | | Pipe Tap | Pipe Entrance | | | | |
| DEEP CUTTING Cut to $1\frac{3}{4}$ " depth | | | | | | | | |
| STANDARD Cut to $1\frac{1}{4}$ " depth | | | | | | | | |
| $\frac{7}{8}$ " | 49-56-0871 | 49-56-6950 | | $\frac{1}{2}$ " | $\frac{5}{8}$ " | | | |
| 1" | 49-56-1001 | or | | $\frac{3}{4}$ " | $\frac{3}{4}$ " | | | |
| $1\frac{1}{8}$ " | 49-56-1121 | 49-56-7000 | | $\frac{3}{4}$ " | $\frac{3}{4}$ " | | | |
| $1\frac{1}{4}$ " | 49-56-1251 | | | 1" | 1" | | | |
| $1\frac{3}{8}$ " | 49-56-1371 | | | | 1 $\frac{1}{4}$ " | | | |
| $1\frac{1}{2}$ " | 49-56-1501 | | | | | | | |
| $1\frac{3}{4}$ " | 49-56-1751 | 49-56-7055 | | $1\frac{1}{4}$ " | $1\frac{1}{2}$ " | | | |
| 2" | 49-56-2001 | or | | $1\frac{1}{2}$ " | | | | |
| $2\frac{1}{4}$ " | 49-56-2251 | 49-56-7100 | | | 2" | | | |
| $2\frac{1}{2}$ " | 49-56-2501 | | | 2" | 2" | | | |
| 3" | 49-56-3001 | | | $2\frac{1}{2}$ " | $2\frac{1}{2}$ " | | | |
| $3\frac{3}{8}$ " | 49-56-3371 | | | | 3" | | | |
| EXTENSIONS | | | | | | | | |
| Use Extension Shanks and Coupling listed under "Selfeed" Bits and Accessories for $\frac{1}{6}$ " Hex Shank Arbors. See Page 6. | | | | | | | | |
| $\frac{9}{16}$ " | 49-56-0560 | | | | $\frac{1}{2}$ " | | | |
| $\frac{5}{8}$ " | 49-56-0620 | | | | $\frac{1}{4}$ " | | | |
| $1\frac{1}{16}$ " | 49-56-0680 | 49-56-6950 | | $\frac{3}{8}$ " | $\frac{3}{4}$ " | | | |
| $\frac{3}{4}$ " | 49-56-0750 | or | | $\frac{1}{2}$ " | $\frac{1}{2}$ " | | | |
| $1\frac{1}{16}$ " | 49-56-0810 | 49-56-7000 | | $\frac{3}{4}$ " | $\frac{5}{8}$ " | | | |
| $\frac{7}{8}$ " | 49-56-0870 | | | | | | | |
| $1\frac{1}{16}$ " | 49-56-0930 | | | | | | | |
| 1" | 49-56-1000 | | | | $\frac{3}{4}$ " | | | |
| $1\frac{1}{16}$ " | 49-56-1060 | | | | | | | |
| $1\frac{1}{8}$ " | 49-56-1120 | | | 1" | $\frac{3}{4}$ " | | | |
| $1\frac{1}{16}$ " | 49-56-1180 | | | | $\frac{3}{4}$ " | | | |
| $1\frac{1}{4}$ " | 49-56-1250 | | | | 1" | | | |
| $1\frac{1}{16}$ " | 49-56-1310 | | | | | | | |
| $1\frac{1}{8}$ " | 49-56-1370 | | | | | | | |
| $1\frac{1}{16}$ " | 49-56-1430 | | | | $1\frac{1}{4}$ " | | | |
| $1\frac{1}{8}$ " | 49-56-1500 | | | | | | | |
| $1\frac{1}{16}$ " | 49-56-1560 | | | | | | | |
| $1\frac{1}{8}$ " | 49-56-1620 | | | | | | | |
| $1\frac{1}{16}$ " | 49-56-1680 | | | | | | | |
| $1\frac{1}{8}$ " | 49-56-1750 | | | | | | | |
| $1\frac{1}{16}$ " | 49-56-1810 | | | | | | | |
| $1\frac{1}{8}$ " | 49-56-1870 | | | | | | | |
| 2" | 49-56-2000 | | | | | | | |
| $2\frac{1}{16}$ " | 49-56-2060 | | | | | | | |
| $2\frac{1}{8}$ " | 49-56-2120 | | | | | | | |
| $2\frac{1}{4}$ " | 49-56-2250 | | | | | | | |
| $2\frac{1}{8}$ " | 49-56-2310 | | | | | | | |
| $2\frac{3}{8}$ " | 49-56-2370 | | | | | | | |
| $2\frac{1}{2}$ " | 49-56-2500 | 49-56-7055 | | | | | | |
| $2\frac{1}{16}$ " | 49-56-2560 | or | | | | | | |
| $2\frac{5}{8}$ " | 49-56-2620 | 49-56-7100 | | | | | | |
| $2\frac{1}{4}$ " | 49-56-2750 | | | | | | | |
| $2\frac{1}{8}$ " | 49-56-2870 | | | | | | | |
| 3" | 49-56-3000 | | | | | | | |
| $3\frac{1}{8}$ " | 49-56-3120 | | | | | | | |
| $3\frac{1}{4}$ " | 49-56-3250 | | | | | | | |
| $3\frac{3}{8}$ " | 49-56-3370 | | | | | | | |
| $3\frac{1}{4}$ " | 49-56-3500 | | | | | | | |
| $3\frac{1}{8}$ " | 49-56-3620 | | | | | | | |
| $3\frac{3}{8}$ " | 49-56-3750 | | | | | | | |
| $3\frac{7}{8}$ " | 49-56-3870 | | | | | | | |
| 4" | 49-56-4000 | | | | | | | |
| $4\frac{1}{8}$ " | 49-56-4120 | | | | | | | |
| $4\frac{1}{4}$ " | 49-56-4250 | | | | | | | |
| $4\frac{1}{8}$ " | 49-56-4370 | | | | | | | |
| $4\frac{1}{4}$ " | 49-56-4500 | | | | | | | |
| $4\frac{3}{4}$ " | 49-56-4750 | | | | | | | |
| 5" | 49-56-5000 | | | | | | | |
| $5\frac{1}{2}$ " | 49-56-5500 | | | | | | | |
| 6" | 49-56-6000 | | | | | | | |

EXTENSION SHANKS

For Masonry Bits

From 1" thru $1\frac{1}{2}$ " Dia. Only

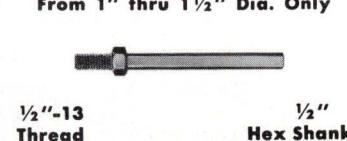


$\frac{1}{2}$ "-13 Thread $\frac{1}{2}$ " Hex Shank

Black Oxide Finish

| Dia. | Cat. No. | Shank Dia. | Overall Drill Length |
|-------------------|------------|-------------------|----------------------|
| $\frac{1}{8}$ " | 48-87-0120 | $\frac{1}{8}$ " | 3" |
| $\frac{5}{32}$ " | 48-87-0150 | $\frac{5}{32}$ " | 3" |
| $\frac{11}{64}$ " | 48-87-0170 | $\frac{11}{64}$ " | 3" |
| $\frac{3}{16}$ " | 48-87-0180 | $\frac{3}{16}$ " | 3" |
| $\frac{1}{4}$ " | 48-87-0250 | $\frac{1}{4}$ " | 4" |
| $\frac{9}{32}$ " | 48-87-0280 | $\frac{9}{32}$ " | 4" |
| $\frac{5}{16}$ " | 48-87-0310 | $\frac{5}{16}$ " | 4" |
| $\frac{3}{8}$ " | 48-87-0370 | $\frac{3}{8}$ " | 4" |
| $\frac{7}{16}$ " | 48-87-0430 | $\frac{7}{16}$ " | 6" |
| $\frac{1}{2}$ " | 48-87-0500 | $\frac{1}{2}$ " | 6" |
| $\frac{9}{16}$ " | 48-87-0560 | $\frac{9}{16}$ " | 6" |
| $\frac{5}{8}$ " | 48-87-0620 | $\frac{5}{8}$ " | 6" |
| $\frac{11}{16}$ " | 48-87-0680 | $\frac{11}{16}$ " | 6" |
| $\frac{3}{4}$ " | 48-87-0750 | $\frac{3}{4}$ " | 6" |
| $\frac{7}{8}$ " | 48-87-0870 | $\frac{7}{8}$ " | 6" |
| 1" | 48-87-1000 | 1" | 10" |
| $1\frac{1}{8}$ " | 48-87-1120 | $1\frac{1}{8}$ " | 10" |
| $1\frac{1}{4}$ " | 48-87-1250 | $1\frac{1}{4}$ " | 10" |
| $1\frac{1}{2}$ " | 48-87-1500 | $1\frac{1}{2}$ " | 10" |

WHEN ORDERING, USE CATALOG NUMBERS



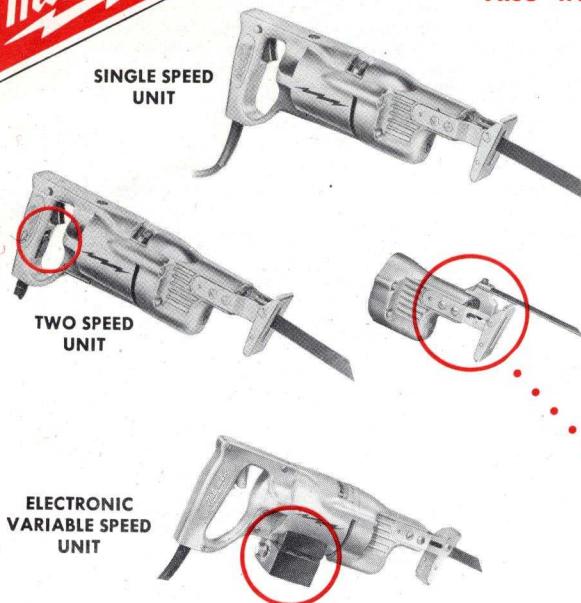


SAWZALLS

Heavy-Duty Electric Hacksaws



Available in Single and Two Speed Units
Also with Electronic Speed Control



ALL BALL and ROLLER BEARINGS

SPECIFICATIONS

| Catalog No. | Length of Stroke | Over-all Length | Net Wt. (lbs.) | Ship. Wt. (lbs.) |
|--|------------------|-----------------|----------------|------------------|
| Single Speed Unit — 2250 Strokes Per Minute | | | | |
| 6500 with case | 3/4" | 14 1/2" | 6 3/4 | 18 |
| 6520 less case | | | | 10 |
| Two Speed Unit — 2400 and 1700 Strokes Per Min. | | | | |
| 6510 with case | 3/4" | 14 1/2" | 6 3/4 | 18 |
| 6530 less case | | | | 10 |
| Above Available in 230 Volts. Add -2 after Catalog No. When Ordering | | | | |
| Electronic Speed Control Unit | | | | |
| 1100 to 2550 Strokes Per Minute | | | | |
| 115 Volt 60 Cycles AC Only | | | | |
| 6505 with case | 3/4" | 14 1/2" | 7 | 18 |
| 6525 less case | | | | 10 |

Standard equipment includes Sawzall Blade Cards 49-22-1090 for metal, 49-22-1100 for wood—total of 22 blades, Offset Blade Adapter, socket wrench and extra blade clamp screw.

The first powerful, lightweight, portable electric hacksaw in a complete unit for contractors and industry. Patented and proven mechanism. Cuts any shape in any sawable material. Plunge cuts in wood and other resilient materials—No starting hole required. **Single Speed** unit of 2250 strokes per minute for general sawing and a **Two Speed** unit for specific cutting requirements—High of 2400 strokes per minute for fast cutting of wood or composition materials and low of 1700 strokes per minute for maximum blade life when cutting metals. A switch is located in the grip handle for high or low speed. The **Electronic Speed Control** unit permits dialing to any speed within the minimum and maximum speeds of 1100 and 2550 strokes per minute. Low speeds for increased blade life in cutting most hard materials and higher speeds for fast sawing of soft woods and composition materials. Control mechanism is full wave rectifier type with components transistorized for long life. Converts AC to DC giving full 115 volt sawing power on all speed ranges.

All models available with or without steel carrying case.

ACCESSORIES

• **OFFSET BLADE ADAPTER Catalog No. 48-03-2000** (Furnished with each Sawzall). For close quarter sawing. Extra Blade Clamp and Blade Clamp Screw included.



Sawzall Blade Card—Wood Cutting

Catalog No. 49-22-1100 consists of one each 48-00-(1011, 1014, 1023, 1031, 1041, 1061, 1062, 1063, 1064, 1121, and 1131). Furnished as standard with each Sawzall.

Sawzall Blade Card—Metal Cutting

Catalog No. 49-22-1090 consists of one each 48-00-(1171, 1172, 1173, 1174, 1176, 1178, 1179, 1183, 1102, 1103, and 1162). Furnished as standard with each Sawzall.

Wrench and Screw Kit

Catalog No. 49-22-5050 consists of 25 socket wrenches and 50 blade clamp screws.

Blade Clamp Wrench—Catalog No. 49-96-0070
Steel Carrying Case—Catalog No. 48-55-1550

Type "A" Grease for Gear Case

1/2 lb. can Catalog No. 49-08-0500

1 lb. can Catalog No. 49-08-0800

Type "B" Grease for Mechanism

1/2 lb. can Catalog No. 49-08-0600

1 lb. can Catalog No. 49-08-0900

ECONOMY BLADE ASSORTMENT

Catalog No. 49-22-1080

A special package value includes 45 Sawzall Blades of 18 most popular types for cutting wood or metal. Consists of five each catalog Nos. 48-00-(1063, 1064, 1174); three each 48-00-(1061, 1102, 1183); two each 48-00-(1023, 1024, 1041, 1051, 1062, 1103, 1121, 1141, 1173); one each 48-00-(1031, 1002, 1012).



16" and 20" SIZES

SPECIFICATIONS

| Catalog No. | Bar Length | AC/DC Volts | H.P. At The Chain | Cutting Speed Ft./Min. | Net Wgt. (lbs.) | Ship. Wgt. (lbs.) |
|-------------|------------|-------------|-------------------|------------------------|-----------------|-------------------|
| 6200 | 16" | | 115 | 2 | 2000 | 17 1/2 |
| 6201 | 20" | | | | | 24 |

230 Volts Available. Add -2 after catalog number when ordering

Standard Equipment Includes Chipper Chain and Wrench.

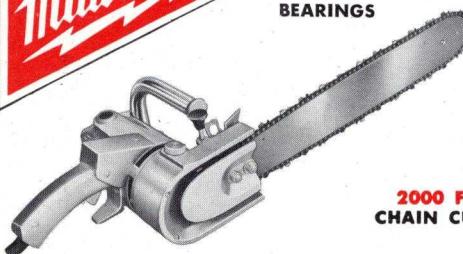
ACCESSORIES

| Catalog No. | Description |
|-------------|---|
| 48-09-5000 | 16" GuideBar |
| 48-09-5100 | 20" Guide Bar |
| 48-58-0050 | 16" Chipper Chain |
| 48-58-0060 | 16" Cross Cut Chain |
| 48-58-0070 | 20" Chipper Chain |
| 48-58-0090 | 20" Cross Cut Chain |
| 49-17-0100 | File and Holder (For use with 3/8" pitch Chain) |
| 49-22-3000 | Chain Replacement Kit (For use with Chipper Chain) Includes tie straps and drive link. |
| 49-96-6200 | Chain Saw Wrench |
| 49-08-0500 | 1/2 lb. Type "A" Grease |
| 49-08-0800 | 1 lb. Type "A" Grease |



ALL BALL BEARINGS

LIGHTWEIGHT

FULL 2 HP
AT THE CHAIN2000 Ft. Per Min.
CHAIN CUTTING SPEED

- Most powerful Electric Chain Saw of its size.
- Flush cuts . . . no housing or bolt overhang.
- Large sawdust and chip removal port.
- Plunger-type chain oiler.
- Instant start even in freezing temperatures.
- No fuel . . . No fire hazard.
- Quiet, smooth, electric power.

For felling trees, sawing limbs, logs, flush cutting stumps and general brush clearance—for cutting cordwood, pulpwood, ties, beams, line poles, piling, and for roughing-in work. Ruggedly built, fast, lightweight and ideally balanced. Guide bars are tempered steel with uniform hardness and straight rails for friction-free chain travel. Heavy-duty "Oregon" Chipper Chain, 3/8" pitch—simple chain and guide bar adjustment.



WHEN ORDERING, USE CATALOG NUMBERS



SAWZALL BLADES

• Custom Milled Teeth, Set and Hardened for Maximum Performance at the Exact Speed of the SAWZALL.
 • Tang Designed to Secure Blade in Blade-Clamp at the Proper Angle for Maximum Cutting Efficiency.

Use Only
GENUINE
SAWZALL BLADES

SOLD ONLY IN BOXES
SEE
QUANTITY PER BOX



PURPLE — HIGH ALLOY STEEL



ORANGE — HIGH ALLOY STEEL



GREEN — HIGH ALLOY STEEL



SILVER — SPRING STEEL



BLACK — SPRING STEEL



WHITE — HIGH ALLOY STEEL



BLACK — BAND SAW STEEL



Special (KNIFE)



Special (SCALLOP)



SILVER — SPRING STEEL



RED — HIGH SPEED STEEL



ORANGE — HIGH ALLOY STEEL



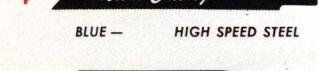
SEE CHART



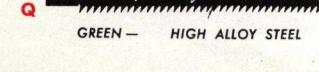
YELLOW — HIGH SPEED STEEL



RED — HIGH SPEED STEEL



BLUE — HIGH SPEED STEEL



GREEN — HIGH ALLOY STEEL

| Type | Key | Catalog No. | Teeth per Inch | Lghth. (in.) | Recommended for Cutting | Quan. per Box |
|--------------------------------------|-----|---|------------------------|-------------------------|--|----------------|
| Roughing-In Blades, Wood and Plaster | A | 48-00-1001 48-00-1002 48-00-1003 | 3 | 3½ 6 12 | Nail free woods . . . fastest cutting . . . fully hardened to withstand roughest sawing. Teeth, fleam sharpened to shear, not tear wood fibers. Canted shank provides for faster feed, deeper cut and ideal return stroke clearance. | 10 10 5 |
| | B | 48-00-1011 48-00-1012 48-00-2011 | 6 | 3½ 6 12 | Nail embedded woods and composition materials . . . 12" blade affords flexibility for flush cutting. | 10 10 5 |
| | B | 48-00-1013 48-00-1014 48-00-2012 | 10 | 3½ 6 12 | For all woods . . . nail embedded woods, composition materials and light gauge non-ferrous metals. | 10 10 5 |
| Roughing-In Blades, Wood and Plaster | | 48-00-2013 | 18 | 12 | Nail embedded woods . . . for opening crates, boxes, removing wood siding and shingles. | 5 |
| | C | 48-00-1021 48-00-1022 48-00-1023 48-00-1024 | 6 6 10 10 | 3½ 6 3½ 6 | All woods including nail-embedded woods. Hardened and tempered to resist bend or twist. Even after severe twist, blade springs right back to its original shape. | 5 |
| | D | 48-00-1031 48-00-1032 48-00-1033 | 7 | 6 12 9 | General roughing-in work in wood and nail embedded woods. | 5 |
| Roughing-In Blades, Wood and Plaster | E | 48-00-1041 48-00-1042 48-00-1043 | 6 | 12 9 | Wood cutting . . . shear tooth design . . . fleam sharpened for shearing action . . . very fast cutting, long blade life. | 5 3 4 |
| | F | 48-00-1051 48-00-1052 | 5 | 3½ 6 | For plaster, plaster with metal lath, plasterboard. Cuts on both forward and backward stroke. | 10 |
| | G | 48-00-1061 48-00-1062 48-00-1063 48-00-1064 48-00-2064• | 6 6 10 6 6 | 3½ 6 3½ 6 6 | For nail-free woods, plywood, asbestos and fiberboard . . . A general purpose economy type blade. | 10 10 10 |
| Roughing-In Blades, Wood and Plaster | | 48-00-1065 48-00-1066 48-00-2066• | 18 | 3½ 6 6 | For nail embedded woods, opening wooden crates or boxes, removing wood siding or shingles. Teeth are fully hardened. | 10 |
| | | 48-00-1067 48-00-1068 | 24 | 3½ 6 | For light gauge non-ferrous metals. | 10 |
| | H | 48-00-1071 | Knife | 4 | Sponge, rubber, leather, felt and other resilient materials. | 10 |
| Metal Scroll | I | 48-00-1081 48-00-1091 | Wavy | | Corrugated cardboard, laminated fiberglass, tape and sheets, paper, cork and rubber. | |
| | K | 48-00-1101 48-00-1102 48-00-1103 | 14 18 24 | 2½ | 18 tooth blade for scroll cutting metals heavier than 18 gauge . . . 24 tooth blade for metals lighter than 18 gauge. | 10 |
| | L | 48-00-1131 | 7 | 4½ | Plunge cutting wood and sawing back to a line. Hardened teeth and flexible center permits sawing in close-quarters. High resistance to bending or breaking. Ideal for roughing-in. | 5 |
| Roughing-In | M | 48-00-1121 48-00-1151 | 6 | 3½ | Sawing intricate shapes and scroll cuts in wood and synthetic structural materials. (1121) a carbon steel economy blade (Gray) (1151) a high speed steel Deluxe blade (Black). | 5 |
| | M | 48-00-1141 | 7 | 3½ | Rough cutting irregular contours in wood, fiberboard, asphalt and asbestos. Spring steel blade. (Silver). | 10 |
| | | 48-00-1201 | 6 | 3½ | High speed steel, hollow ground . . . De Luxe type . . . for fast, smooth finish scroll cuts in wood, plastics, formica and fiberglass. (Silver with black shank). | 5 |
| Metal Scroll | N | 48-00-1161 48-00-1162 | 10 14 | 3½ | Heavy gauge metal, hard rubber and fiber. | 10 |
| | O | 48-00-2175 | 10 | 8 | Cast iron, steel or copper pipe to 4" dia., and also metal decking materials. | 5 |
| | O | 48-00-1171 48-00-1172 48-00-1179 | 14 | 2½ 4 6 | Metal heavier than ½" thick, angles, bar stock, hard rubber and fiber. | 10 |
| Metal Cutting | O | 48-00-1173 48-00-1174 48-00-2170 | 18 | 2½ 4 6 | Heavy gauge metals, conduit, pipe, channels and tubing. | 10 |
| | P | 48-00-1175 48-00-1176 48-00-2171 | 24 | 2½ 4 6 | Metals lighter than 18 gauge sheet, trim and tubing. | 10 |
| | P | 48-00-1177 48-00-1178 | 32 | 2½ 4 | Very light gauge metals . . . sheet trim and tubing. | 10 |
| Pruning | P | 48-00-1181 48-00-1182 | 14 | 4 6 | Heavy gauge metals, angles, bar stock ½" thick and above. Hard rubber. Teeth are fully hardened. Hardening of blade back limited to provide required resiliency. | 10 |
| | Q | 48-00-1183 48-00-1184 | 18 | 4 6 | Same characteristics as blades 1181 and 1182 except finer teeth for fast cutting of metals 18 gauge to ½" thick conduit, pipe, channels and tubing. | 10 |
| | Q | 48-00-1302 | 6 | 12 | Pruning trees, smooth sawing green woods. Deep tooth design, fleam filed. Clean cuts wood fibers. | 5 |

• All blades have teeth set to cut on up stroke . . . except blades 48-00-2064 and 48-00-2066. These two blades have teeth set to cut on down stroke and are recommended when sawing veneers or plywood to prevent splintering on the finish side.

WHEN ORDERING, USE CATALOG NUMBERS

HEAVY-DUTY CIRCULAR SAWS

ALL BALL and ROLLER BEARINGS



PRODUCTION SAWS

RIGHT HAND
MITER SAWS
IN 3 POPULAR
BLADE SIZES

6½" 7¼" 8¼"

1¾ HP
12 AMP.

Ruggedly built for reliable performance in construction and industrial maintenance. Exclusive Spring-Loaded Clutch Drive doubles gear life. All gears are helical-cut, hardened steel for smooth operation. Accurate miter and depth adjustments—miter to full 45° angle. All have Wrap-Around Shoes.

115 volts AC-DC

SPECIFICATIONS

5/8" Arbor

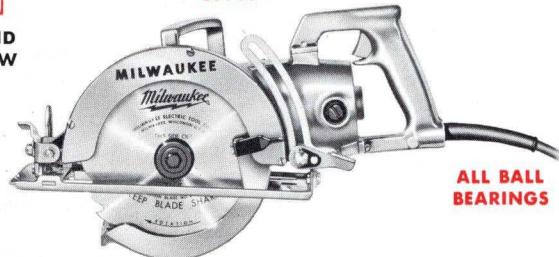
| Blade Size | Catalog No. | No Load Speed (RPM) | Depth of Cut at 90° | Max. Depth of Cut at 45° | Net Wgt. (lbs.) |
|------------|----------------------------------|---------------------|---------------------|--------------------------|-----------------|
| 6½" | 6300 with case 6320 less case | 6400 | 0 to 2½" | 1¾" | 14½ |
| 7¼" | 6340 with case 6360 less case | 5800 | 0 to 2½" | 2½" | 14¾ |
| 8¼" | 6380 with case 6400 less case | 5100 | ¾" to 3½" | 2¾" | 15 |

Standard Equipment Includes Combination Saw Blade, Rip Guide and 2 Utility Wrenches. Any Accessories other than furnished as Standard must be ordered separately.

Shp. Wt. with case 34 lbs., less case 22 lbs.

WORM DRIVE
SAW

7½"

LEFT HAND
MITER SAW2 HP
13 AMP.ALL BALL
BEARINGS

Most powerful, rugged and dependable 7½" Worm Drive Saw available. Designed for ease of handling, balance and continuous hard use. Weighs only 15¾ lbs. Many outstanding features are included. Wide race and oversize ball bearings. Hardened and ground worm. Oil plug located on side of gear case for quick inspection and easy fill. Wide faces on motor and gear housings give solid, strong fit. Handles are separate from motor housing casting. Extended shoe length in front of blade for safety and starting ease. Wrap-around, steel shoe ribbed for added strength. 1" lumber can be used for rip guide on either side of shoe. Sturdy, accurate miter and depth adjustments. Welded armature connections. Enclosed, dust-proof switch. Saw equipped with diamond shaped arbor. Adapters available for use with blades with 5/8" arbor hole.

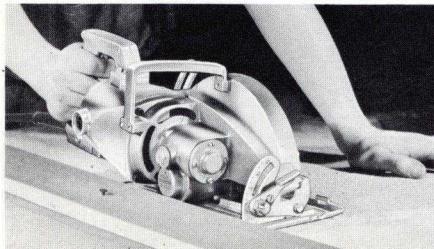
115 volts AC-DC

SPECIFICATIONS

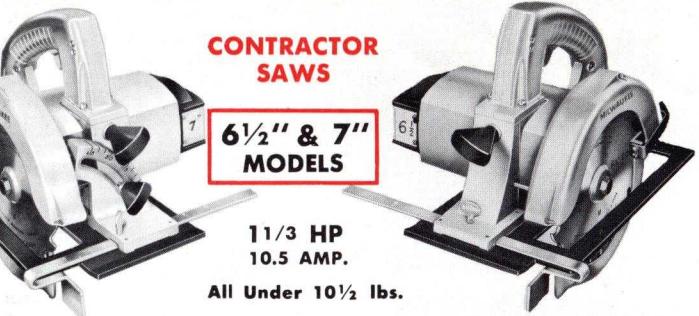
Diamond Arbor

| Blade Size | Catalog No. | No Load Speed (RPM) | Depth of Cut at 90° | Max. Depth of Cut at 45° | Net Wgt. (lbs.) |
|------------|----------------------------------|---------------------|---------------------|--------------------------|-----------------|
| 7½" | 6370 less case 6371 with case | 4400 | 0 to 2½" | 2½" | 15¾ |

Standard Equipment Includes Combination Blade, Blade Wrench, Rip Guide and Lubricant. Shp. Wt. with case 34 lbs., less case 22 lbs.



Compact design. Large fan for cooler operation. Exhaust air directed over gear case to keep line of cut clear. A 1" board can be used on either edge of shoe for ripping large panels . . . even on the motor side. Blade guard operates efficiently on any type of cut.

CONTRACTOR
SAWS

6½" & 7" MODELS

1 1/3 HP
10.5 AMP.

All Under 10½ lbs.

RIGHT AND LEFT HAND
MITER SAWSRIGHT AND LEFT HAND
CUT-OFF SAWS

Handle Has 2 position Switch Control

Powerful, lightweight, industrially rated saws with handle designed for top or rear push control. Perfectly balanced—easy to use. Miter and Cut-Off shoe assemblies are interchangeable. Other mechanical features are the same as 1¾ HP saws. Right Hand Cut-Off Saw has Open Shoe. All others have Wrap-Around Shoes. 7" Saw available in right hand miter only.

115 volts AC-DC

SPECIFICATIONS

5/8" Arbor

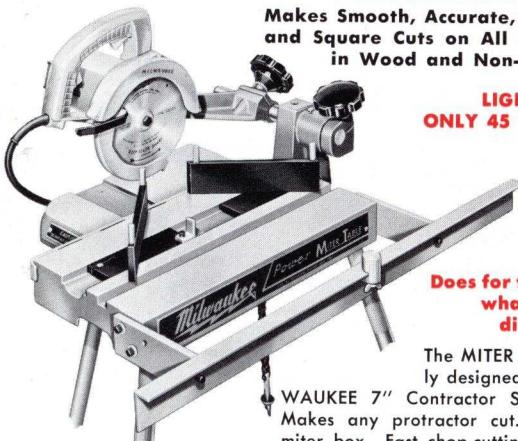
| Catalog No. | Type | Blade Position | No Load Speed (RPM) | Depth of Cut at 90° | Max. Depth of Cut at 45° | Net Wgt. (lbs.) |
|----------------|------|----------------|---------------------|---------------------|--------------------------|-----------------|
| 6290 with case | | Blade at Right | | | | 10 |
| 6291 less case | | 6½" Cut-Off | | 0 to 2½" | | 10¼ |
| 6294 with case | | Blade at Left | | | | |
| 6295 less case | | | | | | |
| 6292 with case | | Blade at Right | | | | |
| 6293 less case | | 6½" Miter | | 0 to 2½" | 1¾" | 10½ |
| 6296 with case | | Blade at Left | | | | |
| 6297 less case | | | | | | |
| 6330 with case | | 7" Miter | | ¼ to 2¾" | 1¾" | 10½ |
| 6331 less case | | Blade at Right | 5400 | ¼ to 2¾" | 1¾" | 10½ |

Standard Equipment Same as for Production Saws.

Shp. Wt. with case 25 lbs., less case 16 lbs.

POWER MITER TABLE

Makes Smooth, Accurate, Finished Miters and Square Cuts on All Trim Mouldings in Wood and Non-Ferrous Metals.

LIGHTWEIGHT
ONLY 45 LBS. WITH SAWEasy
Portability

Does for finish carpentry
what circular saws
did for roughing.

The MITER TABLE is specifically designed for use with MILWAUKEE 7" Contractor Saw, Model 6331. Makes any protractor cut. Obsoletes hand miter box. Fast chop-cutting action produces satin-smooth, accurate miters or square cuts in seconds. Makes all inside and outside miter cuts . . . up to 3½" base. Material held stationary while saw blade is brought down thru the work. Undercuts . . . removes back wood. Shave cuts up to 1/100 of an inch. Rip cuts. Adjustment knobs for depth, width and locking. Table Extension supports long material. Lightweight for easy portability from room to room. Disassembles quickly into compact package for carrying. Milwaukee Saws Cat. Nos. 6291, 6293, 6331 already in the field are adaptable to Miter Table.

SPECIFICATIONS

Miter Table consists of Machined Aluminum Table Top 16½" x 18", Table Extension, Black Anodized Aluminum Miter Guides, Built-in Undercut Slide Bar, Mounting and Adjustment Components, Special 7" Miter Saw Blade for wood and 3 standard ¾" Pipe Legs with no-mar feet. Height to table top 31½". Net Wt. 35 lbs., Shp. Wt. 39 lbs. (Table only)

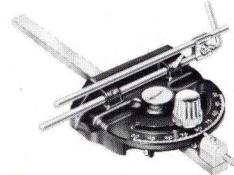
Catalog No. 6455 (less Circular Saw)

PROTRACTOR

For use with Miter Table

Aluminum die cast body. ¾" x ¾" x 16" Bar. 30° to 90° adjustment with stops at 45° and 90°. 120° range.

Catalog No. 49-48-0070



WHEN ORDERING, USE CATALOG NUMBERS



CIRCULAR SAW ACCESSORIES



FOR PRODUCTION AND CONTRACTOR SAWS

CIRCULAR SAW BLADES WITH 5/8" HOLE

| Blade Catalog No. | Blade Diam. (in.) |
|-----------------------------------|-------------------|
| COMBINATION BLADES | |
| 48-40-1651 | 6 1/2 |
| 48-40-1721 | 7 |
| 48-40-1751 | 7 1/4 |
| 48-40-1821 | 8 1/4 |
| CROSCUT - FLOORING BLADES | |
| 48-40-5654 | 6 1/2 |
| 48-40-5724 | 7 |
| 48-40-5754 | 7 1/4 |
| 48-40-5824 | 8 1/4 |
| RIP-CUT BLADES | |
| 48-40-8653 | 6 1/2 |
| 48-40-8723 | 7 |
| 48-40-8753 | 7 1/4 |
| 48-40-8823 | 8 1/4 |
| PLANER BLADE* | |
| 48-40-7655 | 6 1/2 |
| PLYWOOD BLADE* | |
| 48-40-4656 | 6 1/2 |
| CARBIDE-TIPPED BLADES | |
| 48-40-3650 | 6 1/2 |
| 48-40-3700 | 7 |
| 48-40-3820 | 8 1/4 |
| NON-FERROUS METAL CUTTING* | |
| 48-40-6659 | 6 1/2 |
| 48-40-6660 | 7 |
| ABRASIVE CUTTING WHEELS* | |
| For Stone or Concrete | |
| 49-92-3220 | 6 1/8" thick |
| 49-92-4320 | 7 1/2 1/8" thick |
| For Metal | |
| 49-92-3020 | 6 1/8" thick |
| 49-92-4340 | 7 1/2 1/8" thick |

*For 6 1/2" thru 8 1/4" Saws.

Highest Quality for Best Performance

MILWAUKEE saw blades are made of chrome nickel steel... precision ground, tempered, set and filed. Each blade is perfectly balanced and tensioned for fast, smooth, accurate sawing. Carbide-tipped blades are chrome plated... cut fast and smooth, stay sharp up to 50 times longer than steel-tipped blades. Ideal for cutting wood, Transite, Masonite, asbestos, Formica, composition siding and roofing. Abrasive cutting wheels for stone or concrete and metal are safety nylon reinforced... bonded of uniform grit and break resistant.



FOR USE WITH WORM DRIVE SAW

CIRCULAR SAW BLADES WITH DIAMOND ARBOR HOLE

| Blade Catalog No. | Blade Diam. (in.) |
|---------------------------------|-------------------|
| COMBINATION BLADE | |
| 48-40-1761 | 7 1/2 20 tooth |
| 48-40-1762 | 7 1/2 40 tooth |
| CROSCUT - FLOORING BLADE | |
| 48-40-5764 | 7 1/2 |
| RIP-CUT BLADE | |
| 48-40-8763 | |
| CARBIDE-TIPPED BLADE | |
| 48-40-3750 | 7 1/2 |



For All Saws

Cat. No. 49-48-0050

MISCELLANEOUS

| Catalog No. | Description |
|-------------------------------|------------------------|
| 49-96-6300 | 5/16" Utility Wrench |
| 49-96-6400 | 1 3/8" Open End Wrench |
| 49-08-0500 | 1/2 lb. Can "A" Grease |
| 49-08-0800 | 1 lb. Can "A" Grease |
| OIL FOR WORM DRIVE SAW | |
| 49-32-0050 | 1/2 pt. Oil |
| 49-32-0060 | 1 pt. Oil |
| 49-32-0070 | 1/2 gal. Oil |

PORTABLE SAW TABLE



For Saw Models 6320, 6360, 6291, 6293, 6331, only. For mitering, beveling, cross-cutting and ripping. Includes rip guide and protractor.

Catalog No. 49-72-0060

STEEL CARRYING CASES

When ordered separately

Catalog No. 48-55-1050
For Nos. 6320, 6360, 6400



Catalog No. 48-55-1081
For Nos. 6291, 6293, 6295, 6297, 6331.

Catalog No. 48-55-1100
For No. 6370

INTERCHANGEABLE SHOE ASSEMBLIES AND REPLACEABLE SHOES

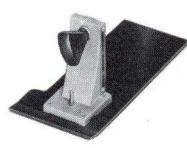
For 6 1/2" Saws Nos. 6291, 6293, 6295, 6297 only



Miter Shoe Assembly



Wrap-Around Shoe



Cut-Off Shoe Assembly



Open Shoe

MITER SHOE ASSEMBLIES with Open Shoe

Converts Cut-Off to Miter Saw
For Right Hand Saw Catalog No. 49-63-1010
For Left Hand Saw 49-63-1030

MITER SHOE ASSEMBLIES with Wrap-Around Shoe

Converts Cut-Off to Miter Saw
For Right Hand Saw Catalog No. 49-63-1020
For Left Hand Saw 49-63-1040

WRAP-AROUND SHOE (only)

For Miter or Cut-Off Saw
Blade at right Catalog No. 49-63-0070
Blade at left 49-63-0090

CUT-OFF SHOE ASSEMBLIES with Open Shoe

Converts Miter to Cut-Off Saw
For Right Hand Saw Catalog No. 49-63-1110
For Left Hand Saw 49-63-1130

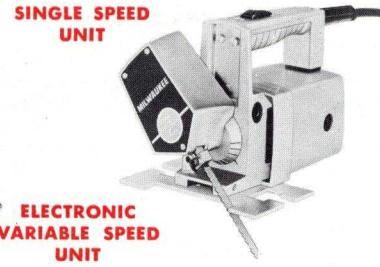
CUT-OFF SHOE ASSEMBLIES with Wrap-Around Shoe

Converts Miter to Cut-Off Saw
For Right Hand Saw Catalog No. 49-63-1120
For Left Hand Saw 49-63-1140

OPEN SHOE (only)

For Miter or Cut-Off Saw
Blade at right Catalog No. 49-63-0080
Blade at left 49-63-0200

WHEN ORDERING, USE CATALOG NUMBERS

SINGLE SPEED
UNITELECTRONIC
VARIABLE SPEED
UNIT

Most versatile Jig-Saw—cuts wood, metal, plastics and composition materials. Lightweight—compact—powerful $\frac{1}{4}$ HP motor—ball and roller bearings on all rotating parts—cool running—rugged, vibration-free mechanism—perfect balance—excellent blade visibility with super sawdust blower to keep cutting lines clear. Single Speed unit with 3500 strokes per minute for general sawing. The Electronic Speed Control unit permits dialing to any speed within the minimum and maximum speeds of 1400 to 3500 strokes per minute. Low speeds for increased blade life in cutting most hard materials and higher speeds for fast sawing of soft woods and composition materials. Control mechanism is full wave rectifier type with components transistorized for long life. Converts AC to DC giving full 115 volt sawing power on all speed ranges.

| Catalog No. | Length of Stroke | Strokes per Minute | Overall Incl. Shoe | | | Net Wgt. (Lbs.) | Shp. Wt. (Lbs.) | |
|---|------------------|--------------------|--------------------|------------------|------------------|-----------------|-----------------|--|
| | | | Length | Width | Height | | | |
| SINGLE SPEED UNIT | | | | | | | | |
| 6270 with case | $\frac{3}{4}$ " | 3500 | 8" | $3\frac{1}{2}$ " | $5\frac{1}{4}$ " | 5 | 14 | |
| 6250 less case | | | | | | 8 | | |
| ELECTRONIC SPEED CONTROL UNIT ... 115 Volt 60 Cycles AC Only | | | | | | | | |
| 6285 with case | $\frac{3}{4}$ " | 1400 to 3500 | $9\frac{1}{2}$ " | $3\frac{1}{2}$ " | $5\frac{1}{4}$ " | $5\frac{1}{4}$ | 14 | |
| 6280 less case | | | | | | 8 | | |

Standard equipment includes a sample assortment of the most popular blades for wood and metal, combination circle and rip guide, socket wrench and an extra blade clamp screw.

ACCESSORIES

WRENCH AND SCREW KITS

Cat. No. 49-22-5060 For Jig-Saws below Serial No. 281-11240. Consists of five 49-96-0060 $\frac{1}{8}$ " Socket Wrenches for blade clamp, five 49-96-0080 $\frac{3}{16}$ " Socket Wrenches for pivoting head and shoe adjustments. Also twenty blade clamp screws.

Cat. No. 49-22-5070 For Jig-Saws Serial No. 281-11240 and above. Consists of five 49-96-0050 $\frac{3}{32}$ " Socket Wrenches for blade clamp, five 49-96-0080 $\frac{3}{16}$ " Socket Wrenches for pivoting head and shoe adjustments. Also twenty blade clamp screws.

STEEL CARRYING CASE

Cat. No. 48-55-1070

TYPE "A" GREASE $\frac{1}{2}$ LB. CAN

49-08-0500

TYPE "A" GREASE 1 LB. CAN

49-08-0800

ORBITAL SANDER



HIGH SPEED
10,000 ORBITS
PER MINUTE



DIRECT DRIVE
NO GEARS OR BELTS

For high speed, high production, satin-smooth finishing of wood, metal or plastics. Easily maneuverable and ideally balanced, does all jobs from new work to refinishing. Sands thin veneers without scaring, burning or tracking the surface—leaves no swirl marks. Compact and lightweight for ease in handling overhead, vertically, on edges, in corners, contours or offset surfaces.

Lightweight—Only 5 Pounds. Powerful oversize Milwaukee-Built Motor. Multiple blade fan draws large volume of air through top grille around every part for cooler operation. Expelled air directs over sanding pad and work surface away from operator. Mechanism counterbalanced to prevent vibration. Heavy-duty 2 pole thumb slide switch conveniently located. Three grease sealed precision ball bearings—No further lubrication required. Compact design only $5\frac{3}{4}$ " high with no protruding parts to interfere with 3 way flush sanding.

With Exclusive Pivoting Head and Turn-And-Lock Shoe

Cutting head is adjustable—right or left to full 45° on calibrated settings with tool remaining in upright position. Shoe adjusts with a single screw for straight, miter or flush cuts.

Genuine MILWAUKEE Jig-Saw Blades

Designed for the exact speed of the tool and best cutting efficiency. Custom milled teeth set and hardened for maximum performance. Special tang properly positions blade in the blade clamp. Universal tang $\frac{1}{4}$ ".

| Catalog No. | Lgth. (In.) | Teeth per Inch | Quan per Pkg. | RECOMMENDED FOR CUTTING | | | | |
|--|----------------|----------------|---------------|--|--|--|--|--|
| | | | | METAL CUTTING ... High Speed Steel Blades. | | | | |
| 48-42-0100 | | 14 | | Steel to $\frac{1}{8}$ ", non-ferrous metals to $\frac{1}{4}$ ", Plastics, Asbestos, Fiberglass, rigid conduit, hard rubber and fiber. | | | | |
| 48-42-0101 | $2\frac{7}{8}$ | 5 | | Same as above. 25% thicker for most severe applications. | | | | |
| 48-42-0120 | | 18 | | Metals 18 Ga. to 10 Ga., tubing, plastics. | | | | |
| 48-42-0140 | | 24 | | Metals lighter than 18 Ga., thin wall tubing, slate, formica. | | | | |
| WOOD CUTTING ... GENERAL PURPOSE ... High Carbon Steel. | | | | | | | | |
| 48-42-0200 | | 7 | | Pocket and roughing cuts on heavier sections. Fiberboard, asbestos, asphalt. | | | | |
| 48-42-0220 | 3 | 5 | | Same as 7 tooth for smoother finish. | | | | |
| 48-42-0240 | | 10 | | Hollow Ground for smoothest sawing. | | | | |
| WOOD CUTTING ... FLUSH CUTTING ... High Carbon Steel. | | | | | | | | |
| 48-42-0300 | 4 | 7 | 4 | Same use as 7 tooth General Purpose. Saws up to a wall. | | | | |
| WOOD CUTTING ... DELUXE ... High Speed Steel. | | | | | | | | |
| 48-42-0400 | $2\frac{3}{4}$ | 5 | | $\frac{1}{4}$ " wide, "shear tooth" for fast roughing work on light and medium sections. Pocket cuts. | | | | |
| 48-42-0420 | $3\frac{3}{4}$ | 4 | | $\frac{3}{8}$ " wide. Same as above for fast roughing work on heavier sections. | | | | |
| WOOD CUTTING ... DELUXE HOLLOW GROUND ... High Speed Steel. | | | | | | | | |
| 48-42-0500 | | 6 | 5 | $\frac{1}{4}$ " wide... fast finish work on medium sections ($\frac{3}{8}$ "- $\frac{1}{2}$ ") of plywood, formica, wood. | | | | |
| 48-42-0520 | $3\frac{3}{4}$ | 4 | | $\frac{3}{8}$ " wide... fast finish work on medium to heavy sections ($\frac{1}{2}$ "- $\frac{3}{4}$ "). | | | | |
| 48-42-0540 | | 10 | 5 | $\frac{1}{4}$ " wide... fast finish work on light sections ($\frac{1}{4}$ ") thick of plywood, formica, wood. | | | | |
| 48-42-0560 | | | 4 | $\frac{3}{8}$ " wide... fast finish work on light to medium sections ($\frac{1}{4}$ "- $\frac{3}{8}$ "). | | | | |
| 48-42-0600 | | 6 | | Tight smooth scroll work. No distortion on curves. Saws plywood, formica, decorative veneers, plastics, etc. Thickness to $\frac{3}{4}$ ". | | | | |
| 48-42-0620 | $3\frac{3}{4}$ | 5 | | Same as above to thicknesses of $\frac{1}{2}$ ". | | | | |
| 48-42-0640 | | 10 | | Reverse tooth for smooth finish on top surface. | | | | |
| KNIFE CUTTING ... High Carbon Steel. | | | | | | | | |
| 48-42-0700 | $2\frac{1}{2}$ | — | 5 | Cuts insulating material, leather, rubber, cardboard, sponge, felt, acoustical tile. | | | | |

SPECIFICATIONS

| Catalog No. | Orbits Per Min. | Dia. of Orbit | Over-All Size | | | Net Wt. Lbs. | Shp. Wt. Lbs. |
|------------------------|-----------------|-----------------|-------------------|-------------------|------------------|--------------|---------------|
| | | | Length | Width | Height | | |
| WITH FELT PAD | | | | | | | |
| 6000 Less Case | 10,000 | $\frac{1}{8}$ " | $10\frac{1}{4}$ " | $3\frac{1}{16}$ " | $5\frac{3}{4}$ " | 5 | 9 |
| 6001 With Case | | | | | | 13 | |
| WITH RUBBER PAD | | | | | | | |
| 6002 Less Case | 10,000 | $\frac{1}{8}$ " | $10\frac{1}{4}$ " | $3\frac{1}{16}$ " | $5\frac{3}{4}$ " | 5 | 9 |
| 6003 With Case | | | | | | 13 | |

Standard Equipment Includes a Package of 10 Assorted Sheets of Sandpaper. Catalog No. 49-37-0010.

SANDPAPER

Aluminum-Oxide Open Coat Production Paper. Size $3\frac{2}{3}$ " x 9", $\frac{1}{3}$ of Standard 9" x 11" Sheet.

| Catalog No. | Grit | Grade | Sheets Per Pkg. |
|-----------------------------|-----------------|--------------------------|-----------------|
| 49-37-0050 | 50 | Coarse | 10 |
| 49-37-0080 | 80 | Medium | 10 |
| 49-37-0120 | 120 | Fine | 10 |
| •49-37-0010 (Assortment) | 50 80 120 | Coarse Medium Fine | Assorted |

•Same as Furnished With Each Orbital Sander.

STEEL CARRYING CASE

Cat. No. 48-55-0850

WHEN ORDERING, USE CATALOG NUMBERS

3/4" ELECTRIC HAMMER



for Contractors and Industry • Maintenance • Installation

A Hard Hitting Hammer Delivering 3000 Blows per Minute

LIGHTWEIGHT
1 1/2 lbs.

Catalog No. 5360 3/4" Electric Hammer Kit
LIMITED SET—Includes electric hammer, with taper star drill chuck, 1/2" star drill, drift pin, tool retaining spring, grease gun, grease, and steel carrying case.

Catalog No. 5380 Electric Hammer Kit. Includes 3/4" electric hammer with taper star drill chuck, drift pin, tool retaining spring for chisels, one each ball point, cold chisel, brick cleaning chisel and mortar cutting chisel, eight assorted star drills 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4" and 7/8" sizes, grease gun, grease and steel carrying case.

SPECIFICATIONS

| Catalog No. | Kit (See above) | Shp. Wgt. lbs. |
|-------------|-----------------|----------------|
| 5360 | Limited | 26 |
| 5380 | Complete | 30 |

Efficient Operating Limit (Dia.) 1 1/8" to 7/8"
Maximum Operating Dia. 1 1/8"
Length overall (tool only) 16 7/8"

CONVERSION KIT

Catalog No. 48-62-0200 Additional accessories required to convert No. 5360 Limited Kit to No. 5380 Complete Kit



Milwaukee 3/4" Electric Hammer No. 5360 is an ideal tool for setting self-drilling anchors on installation and maintenance work using Tooth Anchor Chucks.

HAMMER-DRILL BITS

PERCUSSION CARBIDE-TIP

These bits have round shanks for use in chuck equipped Hammer-Drills such as B&D models 714, 715 and 716, PC models 390 and 590 and other makes. Wide spiral flutes with narrow lands lift dust quickly . . . provide maximum drilling efficiency. Can be resharpened.

IN SIZES FROM 3/16"
THRU 7/8" DIAMETERS

**FOR DRILLING
CONCRETE AND MASONRY**



All Ball and Roller Bearings

For drilling holes in concrete for conduit, anchors and expansion shields—Chipping—Channeling—Scaling—Chiseling—Tuck Pointing. Lightweight, perfect working balance and ruggedly built for continuous use with the right combination of power, speed and durability. Hammer action is forward only with a patented cushioned recoil mechanism to eliminate jolting action—This mechanism has been preferred and proven for 40 years.

ACCESSORIES

| Catalog No. | Description |
|------------------------------|------------------------|
| STAR DRILLS and CHUCK | |
| 48-88-0251 | 1/4" x 6" |
| 48-88-0252 | 1/4" x 12" |
| 48-88-0310 | 5/16" x 6" |
| 48-88-0311 | 5/16" x 12" |
| 48-88-0370 | 3/8" x 6" |
| 48-88-0371 | 3/8" x 12" |
| 48-88-0430 | 7/16" x 6" |
| 48-88-0500 | 1/2" x 6" |
| 48-88-0501 | 1/2" x 12" |
| 48-88-0620 | 5/8" x 6" |
| 48-88-0621 | 5/8" x 12" |
| 48-88-0750 | 3/4" x 6" |
| 48-88-0751 | 3/4" x 12" |
| 48-88-0870 | 7/8" x 6" |
| 48-88-0871 | 7/8" x 12" |
| 48-88-1000 | 1" x 6" |
| 48-88-1001 | 1" x 12" |
| 48-88-1120 | 1 1/8" x 6" |
| 48-66-5010 | Star Drill Chuck |
| CHISELS | |
| 48-62-0070 | 5/8" x 7" Cold Chisel |
| 48-62-0050 | 5/8" x 12" Cold Chisel |
| 48-62-0080 | Brick Cleaning Chisel |
| 48-62-0090 | Mortar Cutting Chisel |
| BULLPOINT | |
| 48-62-0060 | 5/8" x 12" |

| Catalog No. | Description |
|-----------------------------------|-----------------------------|
| M/T (Machined Type) DRILLS | |
| 48-88-5008 | No. 8 1 1/64" |
| 48-88-5010 | No. 10 3/16" |
| 48-88-5012 | No. 12 1/4" |
| 48-88-5016 | No. 16 5/16" |
| 48-88-5020 | No. 20 3/8" |
| 48-88-5500 | — 1/2" |
| M/T DRILL CHUCKS | |
| 48-66-5020 | for No. 8 thru 14 |
| 48-66-5030 | for No. 16, No. 20 and 1/2" |
| TOOTH ANCHOR CHUCKS | |
| 48-66-5100 | 1/4" |
| 48-66-5160 | 5/16" |
| 48-66-5140 | FOR 3/8" |
| 48-66-5080 | 1/2" |
| 48-66-5180 | 5/8" |
| MISCELLANEOUS | |
| 48-55-0560 | Carrying Case |
| 49-08-0500 | 1/2 Lb. Can "A" Grease |
| 49-08-0800 | 1 Lb. Can "A" Grease |
| 49-08-0600 | 1/2 Lb. Can "B" Grease |
| 49-08-0900 | 1 Lb. Can "B" Grease |
| 49-14-0200 | Grease Gun |
| 49-68-0020 | Tool Retaining Spring |
| 48-86-0090 | Drift Pin |

ACCESSORIES BELOW AVAILABLE FOR DISCONTINUED 1/2" HAMMER, NO. 5320

| Catalog No. | Description |
|-----------------------------------|------------------------------------|
| M/T (Machined Type) DRILLS | |
| 48-88-5008 | No. 8 1 1/64" |
| 48-88-5010 | No. 10 3/16" |
| 48-88-5012 | No. 12 1/4" |
| 48-88-5016 | No. 16 5/16" |
| 48-88-5020 | No. 20 3/8" |
| 48-88-5500 | — 1/2" |
| M/T DRILL CHUCKS | |
| 48-66-6000 | For No. 8 thru 14 |
| 48-66-6020 | For No. 16, No. 20 and 1/2" |
| TOOTH ANCHOR CHUCKS | |
| 48-66-5060 | 1/4" |
| 48-66-5040 | For 5/16" |
| 48-66-5070 | 3/8" |
| CHISELS | |
| 48-62-0100 | 5 1/2" lg. x 1 1/8" w. Round Shank |
| 48-62-0110 | 8" long x 1 1/8" w. Round Shank |
| 48-62-0120 | 5 1/2" long x 1 1/8" w. Hex Shank |

| Catalog No. | Description |
|------------------------------|---|
| STAR DRILLS and CHUCK | |
| 48-88-0251 | 1/4" x 6" |
| 48-88-0252 | 1/4" x 12" |
| 48-88-0310 | 5/16" x 6" |
| 48-88-0311 | 5/16" x 12" |
| 48-88-0370 | 3/8" x 6" |
| 48-88-0371 | 3/8" x 12" |
| 48-88-0430 | 7/16" x 6" |
| 48-88-0500 | 1/2" x 6" |
| 48-88-0501 | 1/2" x 12" |
| 48-66-6040 | Star Drill Chuck |
| MISCELLANEOUS | |
| 48-86-0080 | Drift Pin for Star Drill and M/T Drill Chucks |
| 48-86-0090 | Drift Pin for Tooth Anchor Chuck |
| 49-08-1000 | 1 lb. Can "C" Grease |
| 49-14-0200 | Grease Gun |
| 49-96-0100 | Socket Wrench |
| 48-55-0650 | Steel Carrying Case |

SPECIFICATIONS

| Bit Dia. (Inches) | Catalog No. | Overall Length (Inches) |
|-------------------|-------------|-------------------------|
| 3/16 | 48-20-6180 | 3 |
| 7/32 | 48-20-6220 | 3 |
| 1/4 | 48-20-6250 | 4 |
| 9/32 | 48-20-6280 | 4 |
| 5/16 | 48-20-6310 | 4 |
| 3/8 | 48-20-6380 | 4 |
| 7/16 | 48-20-6440 | 6 |
| 15/32 | 48-20-6470 | 6 |
| 1/2 | 48-20-6500 | 6 |
| 9/16 | 48-20-6560 | 6 |
| 5/8 | 48-20-6620 | 6 |
| 11/16 | 48-20-6690 | 6 |
| 3/4 | 48-20-6750 | 6 |
| 7/8 | 48-20-6880 | 6 |

WHEN ORDERING, USE CATALOG NUMBERS



ROTARY HAMMER

FASTEAST DRILLING ROTARY HAMMER
ON THE MARKET

For Percussion Carbide Bit Drilling in concrete and masonry — $\frac{1}{4}$ " thru $1\frac{1}{2}$ " dia. holes • Core Drilling $1\frac{1}{2}$ ", $1\frac{3}{4}$ ", 2" and $2\frac{1}{2}$ " holes • for Shell Anchors • Drills Steel to $\frac{1}{2}$ " diameter • Hammer Tools for chiseling, channeling, demolition work, chipping, scaling, slotting and tuck-pointing.

CATALOG
No. 5300

NO HOURLY OR DAILY OILING
GREASE ONLY EVERY 2 TO 3 MONTHS
DEPENDING UPON AMOUNT OF USE

The new MILWAUKEE Rotary Hammer is the most dependable and versatile Rotary Hammer you can buy. It is designed for rugged use and long life . . . completely heavy-duty from a 7.5 amp. Milwaukee-built motor to the smallest part. Hammer mechanism is a practical combination of heavy spring and cam action. The lift cam is counter balanced to minimize tool vibration. Hammering ram is made of tool steel, precision ground and hardened. The ram is spring loaded and free floating. This mechanism will

EXCLUSIVE 5-WAY ACTION

1. Rotation with heavy blow
2. Rotation with light blow
3. Hammering with heavy blow
4. Hammering with light blow
5. Rotation without hammering

ADJUSTABLE SAFETY CLUTCH

Protects operator. When bit jams, clutch slips — rotary action stops — prevents jolt to operator and excessive wear on bit shank or nose bushing.

SPRING-LOADED DEPTH GAUGE

Maintains setting when bit reaches pre-set depth. Simple to adjust.

3-POSITION PIPE HANDLE

For ease in handling. Pipe handle can be used on either side of gear case or on top of switch handle.

outlast any semi-pneumatic, piston type hammer. "In-Line" design of the Rotary Hammer prolongs motor and bearing life . . . Ball and roller bearings on all rotating shafts . . . Triple gear reduction . . . Heat treated gears and hardened shafts. During idling periods, shock of ram is absorbed by 6 disc springs protecting components. Armature bearings are supported by flat neoprene washers which prevent transmission of shock to the armature. Large fan and special vents provide maximum motor cooling.

SPECIFICATIONS

CATALOG No. 5300 ROTARY HAMMER includes Rotary Hammer in steel carrying case, depth gauge, pipe handle, 2 dust shields and 1 lb. can of grease.

CATALOG No. 5305 ROTARY HAMMER KIT same as above also includes a scaling chisel, slotting chisel, mortar chisel, 11" bull point, 11" cold chisel, "A" and "B" taper chucks, $\frac{1}{4}$ ", $\frac{3}{8}$ ", $\frac{7}{16}$ " and $\frac{1}{2}$ " "A" taper bits, a $\frac{3}{4}$ " "B" taper bit, drift pin.

| Catalog No. | R.P.M. | | | Blows Per Min. | | 115 Volt Amp Rating | Length | Net Weight | Shpg. Weight |
|-------------|------------|------------|---------------|----------------|------------|---------------------|--------|-----------------------|--------------|
| | Light Blow | Heavy Blow | Rotation Only | Light Blow | Heavy Blow | | | | |
| 5300 | 700 | 600 | 850 | 3800 | 3250 | 7.5 | 17" | 19 $\frac{3}{4}$ lbs. | 45 lbs. |
| 5305 | | | | | | | | 52 lbs. | |

CONVERSION KIT

CATALOG No. 48-62-0205 Additional accessories to convert No. 5300 to No. 5305 as itemized above the specification table.

ROTARY HAMMER ACCESSORIES

| Catalog No. | Description |
|------------------------------|------------------------|
| STAR DRILLS and CHUCK | |
| 48-88-0251 | $\frac{1}{4}$ " x 6" |
| 48-88-0252 | $\frac{1}{4}$ " x 12" |
| 48-88-0310 | $\frac{5}{16}$ " x 6" |
| 48-88-0311 | $\frac{5}{16}$ " x 12" |
| 48-88-0370 | $\frac{3}{8}$ " x 6" |
| 48-88-0371 | $\frac{3}{8}$ " x 12" |
| 48-88-0430 | $\frac{7}{16}$ " x 6" |
| 48-88-0500 | $\frac{1}{2}$ " x 6" |
| 48-88-0501 | $\frac{1}{2}$ " x 12" |
| 48-88-0620 | $\frac{5}{8}$ " x 6" |
| 48-88-0621 | $\frac{5}{8}$ " x 12" |
| 48-88-0750 | $\frac{3}{4}$ " x 6" |
| 48-88-0751 | $\frac{3}{4}$ " x 12" |
| 48-88-0870 | $\frac{7}{8}$ " x 6" |
| 48-88-0871 | $\frac{7}{8}$ " x 12" |
| 48-88-1000 | 1" x 6" |
| 48-88-1001 | 1" x 12" |
| 48-88-1120 | $1\frac{1}{8}$ " x 6" |
| 48-66-6050 | Star Drill Chuck* |
| 48-86-0090 | Drift Pin |

*Drift Pin Included with Chuck.

| Catalog No. | Description |
|-------------------------------------|----------------------------------|
| HAMMER TOOLS | |
| 48-62-0210 | Scaling Chisel |
| 48-62-0230 | Mortar Cutting Chisel |
| 48-62-0250 | 11" Cold Chisel |
| 48-62-0252 | 18" Cold Chisel |
| 48-62-0240 | 11" Bull Point |
| 48-62-0248 | 18" Bull Point |
| 48-62-0220 | Slotting Chisel |
| INDUSTRIAL CHUCK and ADAPTER | |
| 48-66-1280 | $\frac{1}{2}$ " Chuck |
| 48-03-3000 | Chuck Adapter |
| MISCELLANEOUS | |
| 48-55-0600 | Carrying Case Only |
| 48-03-0050 | Tool Adapter Assembly |
| 49-62-0070 | Dust Shield |
| 49-08-0500 | $\frac{1}{2}$ lb. Can "A" Grease |
| 49-08-0800 | 1 lb. Can "A" Grease |

*Chuck Key Cat. No. 48-66-3280 included.



SCALING CHISEL



$1\frac{3}{4}$ " x $5\frac{1}{2}$ " x 10" long

MORTAR CUTTING CHISEL



1" x 5" x 11" long

COLD CHISELS



$\frac{3}{4}$ " x 11" or 18" long

BULL POINTS



11" or 18" long

SLOTTING CHISEL



$1\frac{1}{8}$ " x $5\frac{1}{2}$ " x 11" long

TOOL ADAPTER ASSEMBLY



Furnished with Hammer
Must be used with hammer tools



STAR DRILL CHUCK



DRIFT PIN

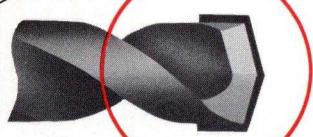
INDUSTRIAL $\frac{1}{2}$ " CHUCK

CHUCK ADAPTER



DUST SHIELD

WHEN ORDERING, USE CATALOG NUMBERS



**FOR HIGH SPEED
LOW COST DRILLING
IN CONCRETE AND MASONRY**

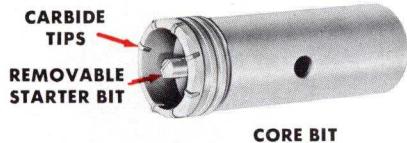
Specially designed for continuous use with heavy blow and rotary action, MILWAUKEE Percussion Carbide-Tip Bits have heat-treated alloy steel shanks and bodies for durability and long life. Wide spiral with shallow oval flutes removes dust fast as it drills, resists packing and assures maximum drilling efficiency. Highest quality carbide tip is brazed to steel body, resists dulling, stays sharp longer and can be resharpened often.

**TWO TYPES
AVAILABLE**

GENERAL PURPOSE BITS are used for deep hole drilling. No adapter is required. One piece bits fit directly into nose of the hammer. Sizes range from $\frac{1}{2}$ " to $1\frac{1}{2}$ " diameter. Shorter bits with "A" or "B" taper are used with taper chucks. "A" taper bits are in small diameters $\frac{1}{4}$ " to $\frac{5}{8}$ " sizes . . . "B" taper bits in $\frac{1}{16}$ " to $1\frac{1}{2}$ " sizes. Bits with taper shanks are economical and recommended where only shallow holes are needed. Taper chucks are reusable.

FLAT TIP BITS are used for drilling holes for anchors. Available in one piece or "B" taper shanks and in diameters from $\frac{7}{16}$ " to $1\frac{1}{8}$ ". Drill true holes with virtually flat bottoms for maximum holding of anchors and expansion shields. Holes are drilled to preset depth thru use of depth gauge on Rotary Hammer.

ROTARY PERCUSSION CORE BITS



CORE BIT

Available in $1\frac{1}{2}$ ", $1\frac{3}{4}$ ", 2 " and $2\frac{1}{2}$ " diameters, MILWAUKEE Core Bits have heat-treated steel bodies with durable carbide tips. Specially designed for fast, accurate drilling with heavy hammering and rotary action. Starter Bit easily removed.

$1\frac{1}{2}$ " x 6" **Cat. No. 48-20-5510**
 $1\frac{3}{4}$ " x 6" **48-20-5760**
 2 " x 6" **48-20-6010**
 $2\frac{1}{2}$ " x 6" **48-20-6050**

Above includes Core Bit and Starter Bit.
Order Core Bit Adapter Separately.



CORE BIT ADAPTERS

Fits All Sizes. Order Separately.
Cat. No. 48-03-3500
Adapter Nut included.

Catalog No. 48-03-3550
Permits use of MILWAUKEE Core Bits with Skil 736 hammer.

$\frac{1}{2}$ " STARTER BITS

Same as furnished with Core Bits.
For $1\frac{1}{2}$ " **Cat. No. 48-20-6110**
For $1\frac{3}{4}$ " **48-20-6120**
For 2 " **48-20-6130**
For $2\frac{1}{2}$ " **48-20-6140**

EXTENSIONS

$7\frac{1}{2}$ " long **Cat. No. 48-95-6000**
 12 " long **Cat. No. 48-95-6050**
Adapter Nut included.

CHUCKS FOR SELF-DRILLING ANCHORS

| Cat. No. | Bolt |
|-------------------|------------------|
| 48-66-6520 | $\frac{1}{4}$ " |
| 48-66-6540 | $\frac{5}{16}$ " |
| 48-66-6560 | $\frac{3}{8}$ " |
| 48-66-6580 | $\frac{1}{2}$ " |
| 48-66-6600 | $\frac{5}{8}$ " |

Require Use of "B" Taper Chuck

**PERCUSSION CARBIDE-TIP BITS
GENERAL PURPOSE BITS**



ONE PIECE
 $\frac{7}{16}$ " HEX. x $2\frac{1}{8}$ " LONG SHANK

| Bit Dia. (Inches) | Catalog No. | Overall Length (Inches) | Max. Drilling Depth (In.) |
|-------------------|-------------------|-------------------------|---------------------------|
| $\frac{1}{2}$ | 48-20-1500 | 10 | $4\frac{1}{2}$ |
| $\frac{1}{2}$ | 48-20-1502 | 16 | $10\frac{1}{2}$ |
| $\frac{1}{2}$ | 48-20-1504 | 22 | $16\frac{3}{8}$ |
| $\frac{9}{16}$ | 48-20-1560 | 12 | $6\frac{1}{2}$ |
| $\frac{5}{8}$ | 48-20-1630 | 10 | $4\frac{5}{8}$ |
| $\frac{5}{8}$ | 48-20-1632 | 16 | $10\frac{5}{8}$ |
| $\frac{5}{8}$ | 48-20-1634 | 22 | $16\frac{3}{4}$ |
| $\frac{11}{16}$ | 48-20-1690 | 12 | $6\frac{3}{4}$ |
| $\frac{3}{4}$ | 48-20-1750 | 10 | $4\frac{1}{2}$ |
| $\frac{3}{4}$ | 48-20-1752 | 16 | $10\frac{5}{8}$ |
| $\frac{3}{4}$ | 48-20-1754 | 22 | $16\frac{5}{8}$ |
| $\frac{7}{8}$ | 48-20-1880 | 12 | $6\frac{3}{4}$ |
| $\frac{7}{8}$ | 48-20-1882 | 22 | $16\frac{5}{8}$ |
| 1 | 48-20-2000 | 12 | 7 |
| 1 | 48-20-2002 | 22 | 7 |
| $1\frac{1}{8}$ | 48-20-2130 | 12 | 7 |
| $1\frac{1}{8}$ | 48-20-2132 | 22 | $17\frac{1}{4}$ |
| $1\frac{1}{4}$ | 48-20-2250 | 12 | 7 |
| $1\frac{1}{4}$ | 48-20-2251 | 22 | 7 |
| $1\frac{3}{8}$ | 48-20-2370 | 12 | 7 |
| $1\frac{3}{8}$ | 48-20-2372 | 22 | $17\frac{1}{4}$ |
| $1\frac{1}{2}$ | 48-20-2500 | 15 | 10 |
| $1\frac{1}{2}$ | 48-20-2502 | 22 | $17\frac{1}{4}$ |

**PERCUSSION CARBIDE-TIP BITS
GENERAL PURPOSE BITS**



"A" AND "B" TAPER
FIT STANDARD "A" AND "B" TAPER CHUCKS

| "A" TAPER BITS | | | |
|-----------------------|-------------------|-------------------------|---------------------------|
| Bit Dia. (Inches) | Catalog No. | Overall Length (Inches) | Max. Drilling Depth (In.) |
| $\frac{1}{4}$ | 48-20-3250 | 4 | $1\frac{1}{2}$ |
| $\frac{1}{4}$ | 48-20-3252 | 6 | $3\frac{1}{2}$ |
| $\frac{5}{16}$ | 48-20-3310 | $4\frac{1}{2}$ | $1\frac{1}{2}$ |
| $\frac{5}{16}$ | 48-20-3312 | 6 | $3\frac{1}{2}$ |
| $\frac{3}{8}$ | 48-20-3380 | 5 | $2\frac{1}{2}$ |
| $\frac{3}{8}$ | 48-20-3381 | 6 | $3\frac{1}{2}$ |
| $\frac{7}{16}$ | 48-20-3440 | 5 | $2\frac{1}{2}$ |
| $\frac{15}{32}$ | 48-20-3470 | 5 | $2\frac{1}{2}$ |
| $\frac{1}{2}$ | 48-20-3500 | $5\frac{1}{2}$ | $3\frac{3}{8}$ |
| $\frac{9}{16}$ | 48-20-3560 | $8\frac{3}{4}$ | $6\frac{1}{4}$ |
| $\frac{5}{8}$ | 48-20-3620 | $8\frac{3}{4}$ | $6\frac{1}{4}$ |

| "B" TAPER BITS | | | |
|-----------------------|-------------------|-------------------------|---------------------------|
| Bit Dia. (Inches) | Catalog No. | Overall Length (Inches) | Max. Drilling Depth (In.) |
| $\frac{11}{16}$ | 48-20-3680 | $8\frac{3}{4}$ | $6\frac{1}{4}$ |
| $\frac{3}{4}$ | 48-20-3750 | $8\frac{3}{4}$ | $6\frac{1}{2}$ |
| $\frac{27}{32}$ | 48-20-3840 | $8\frac{3}{4}$ | $6\frac{1}{2}$ |
| $\frac{7}{8}$ | 48-20-3870 | $8\frac{3}{4}$ | $6\frac{1}{2}$ |
| 1 | 48-20-3100 | $8\frac{3}{4}$ | $6\frac{1}{2}$ |

FLAT TIP BITS



ONE PIECE
 $\frac{7}{16}$ " HEX. x $2\frac{1}{8}$ " LONG SHANK

| Bit Dia. (Inches) | Catalog No. | Overall Length (Inches) | Max. Drilling Depth (In.) |
|-------------------|-------------------|-------------------------|---------------------------|
| $\frac{7}{16}$ | 48-20-4440 | 8 | $2\frac{3}{4}$ |
| $\frac{15}{32}$ | 48-20-4470 | 8 | $2\frac{3}{4}$ |
| $\frac{1}{2}$ | 48-20-4500 | 8 | $2\frac{3}{4}$ |
| $\frac{9}{16}$ | 48-20-4560 | 8 | $2\frac{3}{4}$ |
| $\frac{5}{8}$ | 48-20-4650 | 8 | $2\frac{3}{4}$ |
| $\frac{11}{16}$ | 48-20-4690 | 8 | $2\frac{3}{4}$ |
| $\frac{3}{4}$ | 48-20-4750 | 9 | 4 |
| $\frac{27}{32}$ | 48-20-4840 | 9 | 4 |
| $\frac{7}{8}$ | 48-20-4870 | 9 | 4 |
| 1 | 48-20-5000 | $10\frac{1}{8}$ | 7 |
| $1\frac{1}{8}$ | 48-20-5130 | $10\frac{1}{8}$ | 7 |

"B" TAPER

USE WITH CHUCK 48-66-6501

| Bit Dia. (Inches) | Catalog No. | Overall Length (Inches) | Max. Drilling Depth (In.) |
|-------------------|-------------------|-------------------------|---------------------------|
| $\frac{7}{16}$ | 48-20-7440 | $5\frac{1}{2}$ | $3\frac{1}{8}$ |
| $\frac{15}{32}$ | 48-20-7470 | 8 | $5\frac{3}{4}$ |
| $\frac{1}{2}$ | 48-20-7500 | 9 | $6\frac{1}{2}$ |
| $\frac{9}{16}$ | 48-20-7560 | 9 | $6\frac{1}{2}$ |
| $\frac{5}{8}$ | 48-20-7620 | 9 | $6\frac{1}{2}$ |
| $\frac{11}{16}$ | 48-20-7690 | 9 | $6\frac{1}{2}$ |
| $\frac{3}{4}$ | 48-20-7750 | 9 | $6\frac{1}{2}$ |
| $\frac{27}{32}$ | 48-20-7840 | 9 | $6\frac{1}{2}$ |
| $\frac{7}{8}$ | 48-20-7870 | 9 | $6\frac{1}{2}$ |
| 1 | 48-20-8000 | 9 | $6\frac{1}{2}$ |
| $1\frac{1}{8}$ | 48-20-8130 | 9 | $6\frac{1}{2}$ |

CHUCKS FOR TAPER SHANK BITS



For "A" and "B" TAPER SHANK BITS
 $\frac{7}{16}$ " x $2\frac{1}{8}$ " HEX. SHANK - $6\frac{1}{16}$ " LENGTH OVERALL

Drift pin included with each chuck.

| Taper Chuck | Model Number | Catalog Number |
|-------------|-------------------------|-------------------|
| "A" | MILWAUKEE 5300 | 48-66-6500 |
| "B" | B & D | 48-66-6506 |
| "A" | 717-718-719 | 48-66-6505 |
| "A" | Skil 706 | 48-66-6708 |
| "A" | Skil 726 | 48-66-6500 |
| "B" | Skil 726 | 48-66-6501 |
| "A" | Skil 728 | 48-66-6709 |
| "B" | Skil 728 | 48-66-6710 |
| "B" | Skil 736 | 48-66-6507 |
| "A" | Skil 1706 | 48-66-6708 |
| Drift Pin | when ordered separately | 48-86-0100 |



TOOTH ANCHOR CHUCK KIT

Catalog No. 49-22-2000

Contains chucks in popular anchor sizes. Includes

Tooth Anchor chucks for bolt sizes $\frac{1}{4}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ "

and $\frac{5}{8}$ "; "B" Taper Chuck (48-66-6501) with Drift

Pin (48-86-0100) and steel carrying case.

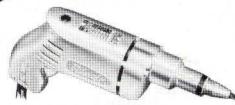
WHEN ORDERING, USE CATALOG NUMBERS

TOOTH ANCHOR CHUCKS

SCREW DRIVERS — NUT RUNNERS



All Ball and Roller Bearings

POSITIVE DRIVE and
ADJUSTABLE TORQUE
RELEASE CLUTCHES

Cat. No. 6540 and 6560

POSITIVE DRIVE CLUTCH

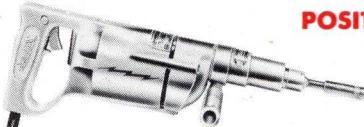
A compact, powerful unit for fast driving of screws in resilient materials. Clutch engages when pressure is applied and stops driving when pressure is released.



Cat. No. 6580 and 6600

ADJUSTABLE TORQUE RELEASE CLUTCH

A rugged, dependable driver for machine and sheet metal screws. Clutch tension can be preset for any driving torque. Once adjusted, it maintains uniform tension and disengages when screw or nut is set.



Cat. No. 6620

POSITIVE DRIVE CLUTCH

Large capacity driver. Clutch engages when pressure is applied and stops driving when pressure is released. For resilient materials.



Cat. No. 6640

ADJUSTABLE TORQUE RELEASE CLUTCH

Large capacity driver. Clutch is preset to maintain uniform tension for setting bolts and nuts in steel. Anti-friction mechanism with hardened steel ball bearings. Disengages automatically when screws and nuts are set.



Cat. No. 6790-1

POSITIVE DRIVE CLUTCH

A compact, high speed unit especially suited for driving self-drilling, self-tapping fasteners or screws in metals. Capacity up to $\frac{1}{4}$ " dia in steel. Furnished with reversing switch as standard.

MAGNETIC BIT HOLDER

Same as used with Drywall Screwdriver (see page 17). Can be used with G and H insert bits (see below) on Pistol Grip Drivers Catalog Nos. 6540, 6560, 6580, 6600 and 6790-1.



ACCESSORIES



Cat. No. 2930

SCREW DRIVER-NUT RUNNER UNIT
WITH POSITIVE DRIVE CLUTCH

Converts models 1100 and 1200 MILWAUKEE Heavy-Duty Drills for screw driving or nut running. Unit clamps securely to the forward collar of the drill housing, coupling with the hex spindle of the drill. Standard equipment includes 3 screw driver bits with finders 48-30-3250, 48-30-3275 and 48-30-3300 and one $\frac{1}{2}$ " square socket driver Catalog No. 48-32-2070. Net Wt. $1\frac{1}{2}$ lbs. Shp. Wt. $2\frac{3}{4}$ lbs.



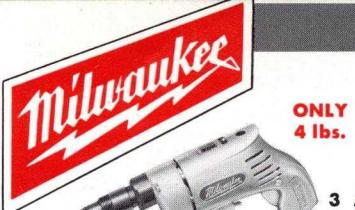
| 1/4" HEX SHANK | | | | | |
|--|--|--|--|--|--|
| For 6540, 6560, 6580, 6600 and 6790-1 Series Drivers | | | | | |
| For Screw Sizes | Bit Only— $1\frac{1}{2}$ " Long Catalog No. | Bit Only— $3\frac{1}{2}$ " Long Catalog No. | Bit and Finder— $3\frac{1}{2}$ " Long Catalog No. | | |
| A 6F-8R 8F-10R 10F-12R 12F-14R 14F-16R | 48-30-0500 48-30-0505 48-30-0510 48-30-0515 | D 48-30-0750 48-30-0770 48-30-0790 48-30-0800 48-30-0805 | F 48-30-2600 48-30-2625 48-30-2650 48-30-2675 48-30-2700 | | |
| B Phillips No. 2 Phillips No. 3 | 48-30-1520 48-30-1500 | | | | |
| For Screw Sizes | Finders for $1\frac{1}{2}$ " Bits Catalog No. | G Insert Bits Catalog No. | Insert Bit Holder Catalog No. | | |
| C 6F-8R 8F-10R 10F-12R 12F-14R 14F-16R | 48-30-2025 48-30-2050 48-30-2075 48-30-2100 | I 48-32-0050 48-32-0060 48-32-0070 48-32-0080 48-32-0090 | 48-32-3050 For use with insert bits. | | |
| Phillips No. 2 Phillips No. 3 | | H 48-32-1050 48-32-1070 | | | |
| J | $\frac{1}{4}$ " Square Driver 2" long (for sockets) Catalog No. 48-32-2050 | | | | |

| 7/16" HEX SHANK | | | | |
|--|--|--|--|--|
| For 6620 and 6640 Series Model Drivers Screw Driver-Nut Runner Unit and Impact Wrench | | | | |
| For Screw Sizes | Bit Only— $3\frac{1}{2}$ " Long Catalog No. | | Bit and Finder— $3\frac{1}{2}$ " Long Catalog No. | |
| D 8F-10R 10F-12R 12F-14R 14F-16R 16F-18R 18F-20R 20F-22R | 48-30-1300 48-30-1320 48-30-1325 48-30-1330 48-30-1340 48-30-1340 48-30-1350 | F | 48-30-3225 48-30-3250 48-30-3275 48-30-3300 48-30-3325 48-30-3325 48-30-3350 | |
| E Phillips No. 2 Phillips No. 3 | 48-30-1400 48-30-1420 | 1.00 1.00 | | |
| Insert Bits for Phillips Head Screws | | | | |
| H | Phillips No. 2 3 4 | 48-32-1080 48-32-1090 48-32-1100 | I | 48-32-3070 For use with insert bits. |
| K | $\frac{1}{2}$ " Square Driver 3" long (for sockets) Catalog No. 48-32-2070 | | | |

WHEN ORDERING, USE CATALOG NUMBERS

DRYWALL SCREWDRIVERS

FOR INSTALLING DRYWALL
ACOUSTICAL TILE • WALL BOARD



ONLY
4 lbs.

3 AMP.

| Catalog No. | No Load R.P.M. |
|-------------|----------------|
| 6740-1 | 1700 |
| 6745-1 | 2500 |

Shipping Weight 7 lbs

ALL BALL AND ROLLER BEARINGS

Simple, Positive Depth Adjustment • Reversing Switch Located Underneath for Protection • Minimum Offset Permits Close Quarter Work

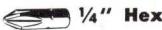
Does away with nail popping. No marred or broken panel surfaces. Drives self-tapping, drywall screws fast to any preset depth or for "dimple-sinking" in metal and wood studs. Makes cementing and final finishing easier. Magnetic bit holder holds the drywall screws to insert bit. Reversing switch allows easy removal of screws. Positive lock adjustment provides a wide range of depth settings. Accurately adjustable in increments of $\frac{1}{64}$ " through a simple spring-loaded collar and slotted knurled locator sleeve.

Magnetic Bit Holder and No. 2 Phillips Insert Bit are furnished as standard and are also available as accessories.



MAGNETIC BIT HOLDER

Catalog No. 48-32-3025



PHILLIPS INSERT BITS

#1 Cat. No. 48-32-1030

#2 Cat. No. 48-32-1050



MAGNETIC DRILL PRESSES

FOR DRILLING • TAPPING • REAMING IN $\frac{1}{2}$ " • $\frac{3}{4}$ " • $1\frac{1}{4}$ " CAPACITIES

MILWAUKEE Magnetic Drill Presses provide an ideal combination of power and magnetic holding force with precision accuracy. Solves tough and costly drilling problems. These ruggedly built units attach to steel surfaces horizontally, vertically or overhead with tremendous magnetic force. Brings the capacity of stationary drill presses to the job. Saves labor, cost of dismantling heavy machinery and transportation of large equipment.

SINGLE SPEED OR 2-SPEED DRILL MOTORS

Single speed, MILWAUKEE-built Drill Motors available in $1\frac{1}{4}$ ", $\frac{3}{4}$ " and $\frac{1}{2}$ " capacities at speeds of 350, 400 and 450 RPM respectively. All models furnished with reversing motors . . . triple gear reduction for maximum torque . . . all ball and roller bearings. Two new, 2-Speed Drill Motors have all the advantages of the single speed models plus greater versatility in speed and drilling power. One with speeds of 375 and 750 RPM . . . the other with speeds of 250 and 500 RPM. Low speed for large hole boring, tapping and reaming . . . high speed for small hole drilling.

MAGNETIC DRILL STANDS

Rectangular Base models available in large, medium and small sizes are used for steel plates or sheets and steel beams . . . Round Base Magnetic Stand for steel plates or sheets. Permits easy positioning and precise control. All Drill Stands have precision machined ways . . . dovetail design for accurate drill travel. Positive rack and pinion feed and 4 spoke wheel control for use on either side. Demagnetizing switch for fast removal from work. Neon light indicates magnet energized.



2-SPEED DRILL NO. 4295-1
MOUNTED ON STAND NO. 4230
WITH ROUND MAGNETIC BASE

Round Magnetic Base with machined surface affords smooth movement of units on work surface when positioning. Micrometer Adjustment with $1\frac{1}{8}$ " range provides precise positioning of drill point. Positioning locks secure swivel unit to base. Holds setting at any point within 180°.

NOTE: Drill Stands and Drill Motors are packaged and priced separately. When ordering, specify Catalog No. of Drill Stand and Catalog No. of Drill Motor. Net price of Drill Stand plus net price of Drill Motor is the total price of Magnetic Drill Press. Mounting of Drill to Stand is simple and easy. A single heavy-duty cord and plug supplies electrical power to stand and motor.

SPECIFICATIONS

115 VOLT UNITS ■ A.C. ONLY

ALL DRILL MOTORS ARE REVERSING

| Stand Catalog No. | Motor Catalog No. | Capacity | | Chuck or Taper | No Load R.P.M. | Drill Stand Dimensions | | | Drill Point Pressure | Net Wgt. Stand Only | Comb. Net Wgt., Stand & Drill |
|-------------------|---|---|---|---|---|------------------------|-------------------|--------------------|----------------------|---------------------|---|
| | | Drill | Tap† | | | Ht. | W. | L. | | | |
| 4200★ Small | 4250-1• | $\frac{1}{2}$ " | $\frac{1}{2}$ -20 | Chuck | 450 | 12 $\frac{1}{2}$ " | 3 $\frac{1}{2}$ " | 10 $\frac{1}{2}$ " | 900 lbs. | 33 lbs. | 39 lbs. |
| 4210 Med. Rect. | 4260-1 4270-1 4280-1• 4290-1 4295-1 | $\frac{3}{4}$ " $\frac{3}{4}$ " $\frac{1}{2}$ " $\frac{1}{2}$ " $\frac{1}{2}$ " | $\frac{3}{4}$ -16 $\frac{3}{4}$ -16 $\frac{1}{2}$ -12 $\frac{1}{2}$ -12 $\frac{1}{2}$ -12 | Chuck No. 2 MT No. 3 MT No. 3 MT No. 3 MT | 400 400 350 750-375 500-250 | 17" | 3 $\frac{3}{4}$ " | 13" | 1100 lbs. | 47 lbs. | 66 lbs. 63 lbs. 65 lbs. 69 lbs. 69 lbs. |
| 4220 Large Rect. | 4260-1 4270-1 4280-1• 4290-1 4295-1 | $\frac{3}{4}$ " $\frac{3}{4}$ " $\frac{1}{2}$ " $\frac{1}{2}$ " $\frac{1}{2}$ " | $\frac{3}{4}$ -16 $\frac{3}{4}$ -16 $\frac{1}{2}$ -12 $\frac{1}{2}$ -12 $\frac{1}{2}$ -12 | Chuck No. 2 MT No. 3 MT No. 3 MT No. 3 MT | 400 400 350 750-375 500-250 | 18" | 5" | 13 $\frac{3}{4}$ " | 1700 lbs. | 62 lbs. | 81 lbs. 78 lbs. 80 lbs. 84 lbs. 84 lbs. |
| 4230 Round | 4260-1 4270-1 4280-1• 4290-1 4295-1 | $\frac{3}{4}$ " $\frac{3}{4}$ " $\frac{1}{2}$ " $\frac{1}{2}$ " $\frac{1}{2}$ " | $\frac{3}{4}$ -16 $\frac{3}{4}$ -16 $\frac{1}{2}$ -12 $\frac{1}{2}$ -12 $\frac{1}{2}$ -12 | Chuck No. 2 MT No. 3 MT No. 3 MT No. 3 MT | 400 400 350 750-375 500-250 | 19" | 7 $\frac{1}{2}$ " | 14" | 1700 lbs. | 53 lbs. | 71 lbs. 71 lbs. 71 lbs. 74 lbs. 74 lbs. |

230 VOLT UNITS ■ A.C. ONLY

ALL DRILL MOTORS ARE REVERSING

| | | | | | | | | | | | |
|--------|---|---|---|---|---|-----|-------------------|--------------------|-----------|---------|---|
| 4210-2 | 4260-3 4270-3 4280-3• 4290-3 4295-3 | $\frac{3}{4}$ " $\frac{3}{4}$ " $\frac{1}{2}$ " $\frac{1}{2}$ " $\frac{1}{2}$ " | $\frac{3}{4}$ -16 $\frac{3}{4}$ -16 $\frac{1}{2}$ -12 $\frac{1}{2}$ -12 $\frac{1}{2}$ -12 | Chuck No. 2 MT No. 3 MT No. 3 MT No. 3 MT | 400 400 350 750-375 500-250 | 17" | 3 $\frac{3}{4}$ " | 13" | 1100 lbs. | 47 lbs. | 66 lbs. 63 lbs. 65 lbs. 69 lbs. 69 lbs. |
| 4220-2 | 4260-3 4270-3 4280-3• 4290-3 4295-3 | $\frac{3}{4}$ " $\frac{3}{4}$ " $\frac{1}{2}$ " $\frac{1}{2}$ " $\frac{1}{2}$ " | $\frac{3}{4}$ -16 $\frac{3}{4}$ -16 $\frac{1}{2}$ -12 $\frac{1}{2}$ -12 $\frac{1}{2}$ -12 | Chuck No. 2 MT No. 3 MT No. 3 MT No. 3 MT | 400 400 350 750-375 500-250 | 18" | 5" | 13 $\frac{3}{4}$ " | 1700 lbs. | 62 lbs. | 81 lbs. 78 lbs. 80 lbs. 84 lbs. 84 lbs. |
| 4230-2 | 4260-3 4270-3 4280-3• 4290-3 4295-3 | $\frac{3}{4}$ " $\frac{3}{4}$ " $\frac{1}{2}$ " $\frac{1}{2}$ " $\frac{1}{2}$ " | $\frac{3}{4}$ -16 $\frac{3}{4}$ -16 $\frac{1}{2}$ -12 $\frac{1}{2}$ -12 $\frac{1}{2}$ -12 | Chuck No. 2 MT No. 3 MT No. 3 MT No. 3 MT | 400 400 350 750-375 500-250 | 19" | 7 $\frac{1}{2}$ " | 14" | 1700 lbs. | 53 lbs. | 71 lbs. 71 lbs. 71 lbs. 74 lbs. 74 lbs. |

*Available 115 Volts Only.

▲Maximum Pull on 1" Steel Plate.

All Drill Presses are furnished with safety chain . . . a precaution against operator losing control of unit while positioning vertically, overhead, or from possible power failure. Safety Chain when Ordered Separately - 6' Length Catalog No. 48-58-0080

†Maximum tapping capacity is dependent upon variable conditions prevailing, such as material, condition of tap, pitch, type cutting fluid used, etc.

■ Catalog numbers and other data shown in red apply only to 2-Speed Drills.

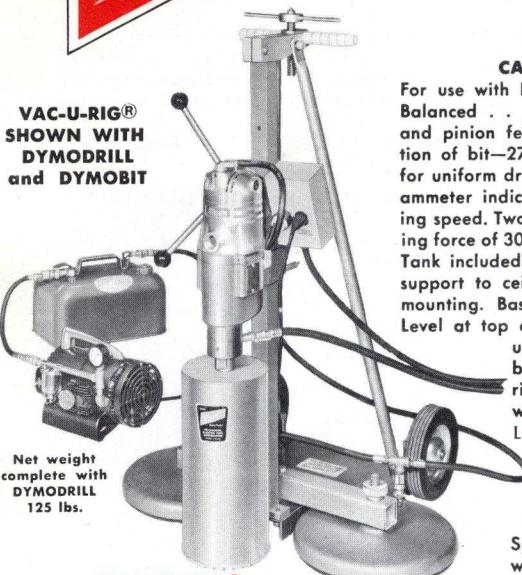
• Drill motors, except Nos. 4250-1, 4280-1, and 4280-3, have dual mount gear case permitting reverse mounting of drill for close-quarter work. An adapter plate to allow reverse mounting of 4280-1 and 4280-3 is available. Catalog No. 49-42-0050 ADAPTER PLATE

WHEN ORDERING, USE CATALOG NUMBERS

DYMODRILL EQUIPMENT

for Diamond Core Drilling in
Concrete • Tile • Masonry

VAC-U-RIG®
SHOWN WITH
DYMODRILL
and DYMObIT



Net weight
complete with
DYMODRILL
125 lbs.

VAC-U-RIG®
Less All Vacuum Components
CATALOG No. 4111

Includes stand with wheels, jack screw, base leveling bolts, ammeter, bubble level, cradle for mounting DYMODRILLS and 3 spoke wheel feed control. Without Vacuum, the stand is mounted to the floor or wall with an expansion anchor or braced to the ceiling with use of jack screw. Net Wt. 86 lbs. Shp. Wt. 104 lbs. Less Drill and Bit.

Powerful, rugged tools for Contractors, Plumbers, Electricians, Erectors and Maintenance Men. The combination of MILWAUKEE VAC-U-RIG® and DYMODRILL assures easy, economical drilling of accurate, smooth holes in reinforced concrete. No vibration, slewing, spalling or patching. Sets up in a few minutes for vertical or horizontal drilling.

VAC-U-RIG®

CATALOG No. 4110

For use with DYMODRILLS in table at right. Balanced . . . easy wheel portability. Rack and pinion feed—Operator feels drilling action of bit—27" travel—3 spoke feed control for uniform drilling pressure. Two color range ammeter indicates proper pressure and drilling speed. Two 13" dia. vacuum pads . . . holding force of 3000 lb. Vacuum Pump and Reserve Tank included. Jack screw at top for bracing support to ceiling. Hole in base for anchor mounting. Base leveling screws and Bubble Level at top of cradle provide accurate setup. Steel column, base, and tubular supports give maximum rigidity. Overall height 45". Net wt. 105 lbs. Shp. wt. 137 lbs. Less Drill and Bit.

SINGLE SPEED and 2-SPEED
DYMODRILLS

For use with RIGS 4100 and 4110

Powerful 2 1/4 HP at the spindle. Triple gear reduction. All ball and roller bearing. 2-Speed DYMODRILLS increase versatility for a larger range of bit diameters. Shift lever on gear housing transfers drive gear from one position to another. Low speed for large diameter bits . . . High speed for small bits. Shear Pin at Spindle Protects Gears and Motor Against Overload.



SPECIFICATIONS

| Catalog No. | Speed RPM | Volts | Bit Dia. Capacity | Net Wgt. (Lbs.) | Shp. Wgt. (Lbs.) |
|---------------------|-----------|------------|-------------------|-----------------|------------------|
| Single Speed | | | | | |
| 4020 | 350 | 115 | 5" to 8" | 20 | 25 |
| 3940 | 500 | AC-DC ONLY | 4" to 5" | 20 | 25 |
| 3880 | 750 | | 2 1/2" to 4 1/4" | 20 | 25 |
| 3820 | 1000 | | 1 1/4" to 3" | 20 | 25 |
| Two Speed | | | | | |
| 4030 | 375-750 | 115 | 2 1/2" to 8" | 24 | 32 |
| 4035 | 500-1000 | AC-DC ONLY | 1 1/4" to 5" | 24 | 32 |

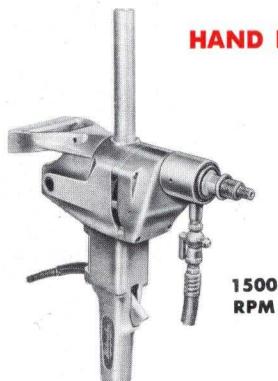
Furnished as standard Equipment on all models are built-in water swivel, 8 ft. length of 3/8" heavy-duty rubber water hose complete with fittings and water control valve; plus open end wrench for removing bits. Spindle thread size all models 1 1/4"-7.

SPACER with KEY

For above DYMODRILLS. Allows use of bits thru 10" dia. Spacer, 1" thick, fits between cradle of Rig and Drill.

CATALOG No. 49-67-0050

HAND HELD DYMODRILL



1500 RPM

CATALOG No. 3780

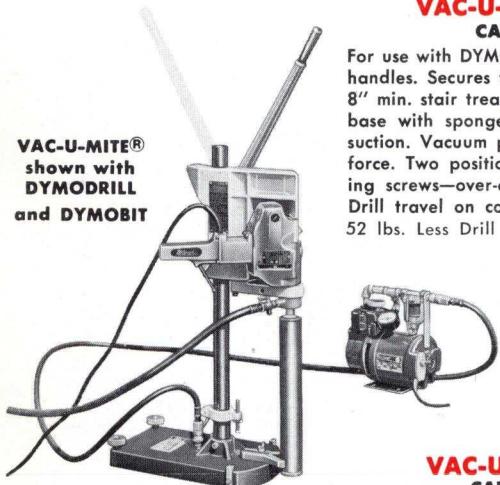
Capacity 1/4" through 2 1/2" diameter. Net weight only 11 lbs.—full 1/2 HP output. Complete with built-in water swivel, safety-meter for proper drilling speed and pressure, two stage spindle of 1/2"-20 and 7/8"-14 thread, thread protector, 8' x 3/8" heavy-duty rubber water hose with fittings, plus Open End Wrench No. 49-96-4060 for removing bits. Shp. Wt. 17 lbs.

VAC-U-MITE® Drill Stand

CATALOG No. 4182

For use with DYMODRILL 3780 less spade and pipe handles. Secures to floors or walls. Designed to fit 8" min. stair treads and confined areas. Aluminum base with sponge rubber insert provides positive suction. Vacuum pump produces 1500 lbs. holding force. Two position drill press handle—base leveling screws—over-all height 31". 4 1/2" stroke—16" Drill travel on column. Net Wt. 48 lbs. Shp. Wt. 52 lbs. Less Drill and Bit.

VAC-U-MITE®
shown with
DYMODRILL
and DYMObIT

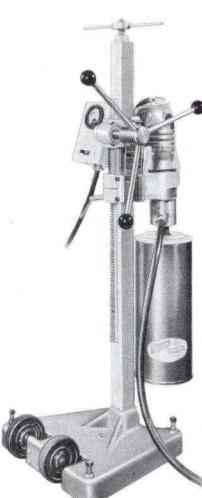


Net weight
complete with
DYMODRILL
59 lbs.

VAC-U-MITE® LESS PUMP

CATALOG No. 4181

For use with DYMODRILL 3780. Without vacuum, front base feet and rear screw feet are settable for four point contact on concrete—place weight on base for rigidity. Net Wt. 28 lbs. Shp. Wt. 31 lbs. Less Drill and Bit.



DYMORIG

CATALOG No. 4100

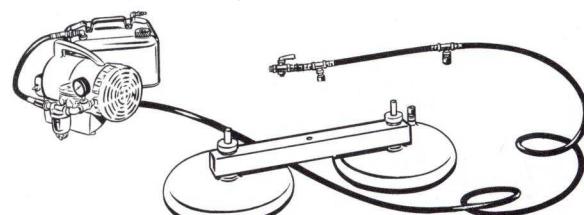
For use with DYMODRILLS in above table. Balanced . . . easy wheel portability. Rack and pinion feed—24" travel—Operator feels drilling action of bit—3 spoke feed control for uniform drilling pressure—Rugged aluminum base—Rigid stability for accurate, clean holes. Two color range ammeter indicates proper pressure and drilling speed—Jack Screw at top for bracing support to ceiling—Hole in base for anchor mounting—Base Leveling Screws and Bubble Level at top of cradle provide accurate setup. Cradle and Drill can be removed to lighten for installing base and column. DYMORIG can be used with VAC-U-RIG Attachment Kit. See Below*. Net Wt. 65 lbs. Shp. Wt. 74 lbs. Less Drill and Bit

SHOWN WITH
DYMODRILL
and DYMObIT

DYMORIG
with DYMODRILL
only 85 lbs.

VAC-U-RIG® ATTACHMENT KITS

Complete vacuum assemblies consisting of two 13" diameter suction pads, cross-bar, vacuum pump assembly with switch, gauge, filter, vacuum reserve tank, air hose and fittings.



* CATALOG No. 49-22-7050 for use only with Catalog No. 4100 DYMORIG. Converts to vacuum mounting. Net Wt. 76 lbs. Shp. Wt. 81 lbs.

CATALOG No. 49-22-7060 for use with stand only—Catalog No. 4111. Same as furnished as standard with VAC-U-RIG Catalog No. 4110. Net Wt. 70 lbs. Shp. Wt. 75 lbs.

WHEN ORDERING, USE CATALOG NUMBERS



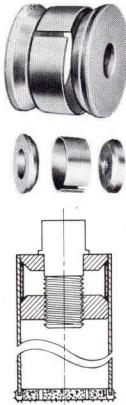
DYMOBITS and DYMODRILL ACCESSORIES

HEAVY-DUTY



FINEST QUALITY DIAMONDS

Only the highest quality industrial diamonds, carefully selected for uniformity and grade, are used in DYMObITS. Special attention is given to position diamonds in the crown for a definite tracking pattern with best cutting edges exposed.



EXPANSION ADAPTERS FOR OPEN BACK DYMObITS

For use with bits $1\frac{1}{4}$ " and larger. Self-centering, 3 piece friction drive—for easy positioning of bit sleeve and bit removal. Expansion adapters are reusable for new bits of the same size. By removing the sleeve from the adapter, an occasional lodged core can be removed from the back of the bit preventing damage to the crown.

Split ring expands against bit sleeve as threaded part of adapter is drawn up.



9" BIT EXTENSION CATALOG No. 48-95-1500

For DYMObITS of $1\frac{3}{4}$ " diameter and larger. Both ends are threaded $1\frac{1}{4}$ "-7. Two or more extensions can be coupled together for deeper hole drilling. Used on DYMODRILLS listed in table page 18.



10 1/2" BIT EXTENSION CATALOG No. 48-95-2000

For use with DYMODRILL 3780. Threads on $\frac{7}{8}$ "-14 spindle. Outer end is a two stage spindle with $\frac{7}{8}$ "-14 and $\frac{1}{2}$ "-20 threads.



THREADED ADAPTER CATALOG No. 48-04-0150

Reduces thread size of $1\frac{1}{4}$ "-7 to $\frac{7}{8}$ "-14 or $\frac{1}{2}$ "-20 for DYMObITS of $1\frac{1}{4}$ ", $1\frac{3}{8}$ " and $1\frac{1}{2}$ " diameter. Used on DYMODRILLS listed in table on page 18.



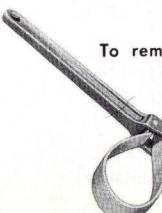
THREADED ADAPTER CATALOG No. 48-04-0050

Increases thread size from $\frac{1}{2}$ "-20 to $\frac{7}{8}$ "-14 for DYMObIT sizes $\frac{3}{4}$ ", $\frac{7}{8}$ " and 1" dia.



THREAD PROTECTOR CATALOG No. 49-46-0050

For use with DYMODRILL 3780. Protects second stage $\frac{7}{8}$ "-14 threaded spindle when using $\frac{1}{2}$ " to $\frac{5}{8}$ " diameter DYMObITS. Furnished as standard with Drill.



STRAP WRENCHES

To remove DYMObIT. Available in two sizes.
CATALOG No. 49-96-8100
for bits up to 2" diameter.

CATALOG No. 49-96-8200

for bits from 2" to 8" dia.

WHEN ORDERING, USE CATALOG NUMBERS

OPEN BACK and SOLID BACK DYMObITS

DYMObITS are designed to assure maximum cutting efficiency at minimum cost—greater concentration and orientation of the finest industrial diamonds set in a long wearing tungsten carbide matrix. Drilling footage is increased in extremely hard materials or heavily reinforced concrete. Wide kerf plus new bonding technique adds stability to the crown and tube. Waterways are designed to flush out cuttings quickly. Low initial cost, high quality construction and unmatched performance have made DYMObITS the preferred choice of contractors. Cut clean, smooth holes without noise, dust or vibration—no sleeving, spalling or patching. Drill bit tubes are precision finished and double cadmium plated.

DYMObITS are available in two types. Open Back Bits used with an Expansion Adapter. Solid Back Bits have adapter welded to the sleeve—for contractors preferring this type of bit. Both types are hard aggregate bits machined for true running and accurate drilling. All Bits are throw-away type.

SPECIFICATIONS

| Bit Size O.D. " | Bit Lgth. " | Open Back Bits Catalog No. | Expansion Adapter (Required) Catalog No. | Thread Size | | Solid Back Bits Catalog No. |
|--------------------------|-------------------|-------------------------------|---|-------------------------|----------------------|--------------------------------|
| | | | | Open Back Adapter | Solid Back Bit | |
| $1\frac{1}{4}$ " | 3" | | | | | 48-16-0250/ |
| $1\frac{5}{8}$ " | 3 1/2" | | | | | 48-16-0310 |
| $1\frac{3}{8}$ " | 4" | | | | | 48-16-0370 |
| $1\frac{1}{2}$ " | 5" | | | | | 48-16-0500 |
| $1\frac{1}{2}$ " | 5" | | | | | 48-16-0620 |
| $1\frac{5}{8}$ " | 10" | | | | | 48-16-0750• |
| $1\frac{3}{8}$ " | 10" | | | | | 48-16-0870• |
| $1\frac{1}{2}$ " | 10" | | | | | 48-16-1000• |
| $1\frac{1}{4}$ " | 10" | | | | | 48-16-1252 |
| $1\frac{1}{4}$ " | 12" | 48-16-1251 | 48-04-1250 | $\frac{1}{2}$ "-20 | | 48-16-1372 |
| $1\frac{5}{8}$ " | 12" | 48-16-1371 | 48-04-1370 | | | 48-16-1502 |
| $1\frac{1}{2}$ " | 12" | 48-16-1501 | 48-04-1500 | | | 48-16-1752 |
| $1\frac{1}{4}$ " | 12" | 48-16-1751 | 48-04-1750 | | | 48-16-2002 |
| 2" | 14" | 48-16-2001 | 48-04-2000 | | | 48-16-2372 |
| $2\frac{3}{8}$ " | 14" | 48-16-2371 | 48-04-2370 | | | 48-16-2502 |
| $2\frac{1}{2}$ " | 14" | 48-16-2501 | 48-04-2500 | | | 48-16-3002 |
| 3" | 14" | 48-16-3001 | 48-04-3000 | | | 48-16-3502 |
| $3\frac{1}{2}$ " | 14" | 48-16-3501 | 48-04-3500 | | | 48-16-4002 |
| $4\frac{1}{4}$ " | 14" | 48-16-4001 | 48-04-4000 | | | 48-16-4252 |
| $4\frac{1}{4}$ " | 14" | 48-16-4251 | 48-04-4250 | | | 48-16-4502 |
| $4\frac{1}{2}$ " | 14" | 48-16-4501 | 48-04-4500 | | | 48-16-5002 |
| 5" | 14" | 48-16-5001 | 48-04-5000 | | | 48-16-6002 |
| 6" | 14" | 48-16-6001 | 48-04-6000 | | | 48-16-6252 |
| $6\frac{1}{4}$ " | 14" | 48-16-6251 | 48-04-6250 | | | 48-16-7001 |
| $7\frac{1}{4}$ " | 14" | 48-16-7000 | 48-04-7000 | | | 48-16-8001 |
| 8" | 14" | 48-16-8000 | 48-04-8000 | | | 48-16-9001 |
| 9" | 14" | 48-16-9000 | 48-04-9000 | | | 48-16-9501 |
| 10" | 14" | 48-16-9500 | 48-04-9500 | | | 48-16-9550 |
| 11" | 12" | | | | | 48-16-9600 |
| 12" | 12" | | | | | 48-16-9650 |
| 13" | 12" | | | | | 48-16-9700 |
| 14" | 12" | | | | | |

★ NOTE — Check thread size with spindle thread on Drill or refer to specifications for DYMODRILLS (page 18). It may be necessary to select a Threaded Adapter to fit the Drill spindle.

§ For sizes other than listed contact factory. ✓ Non-coring type.

• Threaded Adapter Cat. No. 48-04-0050 needed to increase thread size from $\frac{1}{2}$ "-20 to $\frac{7}{8}$ "-14.

† When used with Drills with $1\frac{1}{4}$ "-7 thread use Threaded Adapter Cat. No. 48-04-0150.

WATER COLLECTOR RING

CATALOG No. 48-70-0050

For use where water flow from drilling operation must be trapped and drained. Dike-type collector ring holds water for fast disposal. Used with pump described below.



FOR BITS
THRU 8" DIA.

WATER COLLECTOR PUMP

CATALOG No. 49-50-0050

Small heavy-duty pump of balanced impeller design, driven by 115 volt enclosed motor. Pumps out excess trapped water at rate required for diamond drilling—abrasive proof and quiet running. Furnished with reinforced plastic flexible hose.



WATER TANK

CATALOG No. 49-76-0050

Pressure type 3 1/2 gal. made of heavy gauge galvanized steel. For use where regular tap water supply is not available.

TELESCOPING EXTENSION ASSEMBLY

CATALOG No. 48-95-1000

Braces unit between floor and ceiling. Adjustable to 14 ft.



RUBBER WATER HOSE

CATALOG No. 49-18-0050

8' long $\frac{3}{8}$ " ID as furnished with all DYMODRILLS.

3/8" SOCKET WRENCH

CATALOG No. 49-96-0085

For mounting DYMODRILLS to cradle of VAC-U-RIG.

1 1/2" OPEN END WRENCH

CATALOG No. 49-96-4700

for DYMODRILLS listed in table at top of page 18.

TYPE "A" GREASE

1/2 LB. CAN

CAT. No. 49-08-0500

1 LB. CAN

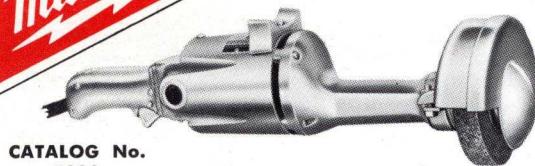
CAT. No. 49-08-0800



PORTABLE GRINDERS

ALL BALL BEARINGS

IN 4 DIAMETER WHEEL SIZES 4" • 5" • 6" • 8"

CATALOG NO.
5220

Equipped with adjustable steel wheel guard and coarse grinding wheel. For use in welding shops and heavy industry—prepares surfaces for welding, smooths welds, removes burrs, snags and grinds castings—also for wire brushing, buffing and general grinding. Ruggedly built for continuous service—lightweight and balanced to permit long periods of use. Oversize double row ball bearings provide rigid support for grinding wheel. High velocity air flow keeps motor cool and free of dust and grit. Heavy gauge steel wheel guard.

CATALOG
No. 5260TUCK POINT
GRINDER

Powerful, high speed, easy handling grinder for fast clean removal of old or loose mortar. Furnished with 8" x 1/8" abrasive wheel and steel wheel guard for safe operation. All ball bearing—double row ball bearings in forward handle housing provide rigid support for grinding wheel. Comfortable grip.

TUCKPOINT GRINDER ACCESSORY KITS

Cat. No. 49-22-6050 Includes wheel guard, spacer unit and 8" x 1/8" x 5/8" hole abrasive wheel.

Cat. No. 49-22-6060 same as above kit except with 8" x 3/16" x 5/8" hole abrasive wheel.

Cat. No. 49-08-1000 1 lb. can Type C Grease.

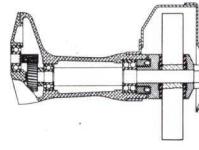
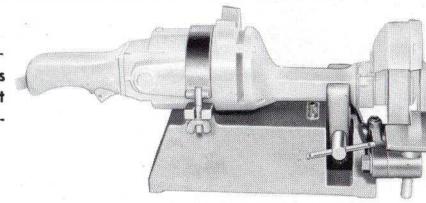
SPECIFICATIONS

| Catalog No. | Wheel Size | Hole Dia. | Speed No Load RPM | Volts | Lghth. (In.) | Net Wgt. (lbs.) | Shp. Wgt. (lbs.) |
|-------------|------------|-----------|-------------------|-------|--------------|-----------------|------------------|
| 5200* | 4" x 1" | 1/2" | 6000 | 115 | 21 5/8 | 13 1/2 | 19 |
| 5220* | 5" x 1" | 5/8" | 4000 | 115 | 21 3/4 | 15 | 19 |
| 5240* | 6" x 1" | 5/8" | 4000 | 115 | 22 | 16 1/2 | 22 |
| 5260 | 8" x 1/8" | 5/8" | 4000 | 115 | 21 | 15 1/4 | 19 |

*230 Volts Available. Add -2 after catalog number when ordering

GRINDER BENCH BASE

Catalog No. 48-10-0026. Quickly converts all Portable Grinders to bench use. Fitted with tool rest adjustable to any position. Shipping weight 24 lbs.



Oversize double row ball bearings provide rigid support for grinding wheel.

GRINDING WHEELS

| | Catalog No. | Size (In.) | Hole Dia. |
|-------------|-------------|------------|-----------|
| COARSE GRIT | 49-92-1140 | 4 x 1 | 1/2" |
| | 49-92-2240 | 5 x 1 | 5/8" |
| | 49-92-3260 | 6 x 1 | 5/8" |

TUCKPOINT ABRASIVE WHEELS

Cat. No. 49-92-5020 8" x 1/8" x 5/8" hole.

Cat. No. 49-92-5040 8" x 3/16" x 5/8" hole.

Kits and abrasive wheels are adaptable to Portable Grinders Nos. 5220 and 5240.

| Catalog No. | Dia. (In.) | Hole Dia. |
|-------------|------------|-----------|
|-------------|------------|-----------|

KNOT WIRE BRUSHES

| | | |
|------------|---|------|
| 48-52-2200 | 4 | 1/2" |
| 48-52-2300 | 5 | 5/8" |
| 48-52-2500 | 6 | 5/8" |

CLOTH BUFFING WHEELS

| | | |
|------------|---|------|
| 49-93-0060 | 4 | 1/2" |
| 49-93-0070 | 5 | 5/8" |
| 49-93-0090 | 6 | 5/8" |

KNOT WIRE BRUSHES

30 ga. twisted steel wire. For cleaning steel surfaces and castings, removing rust, scale, file marks.

CLOTH BUFFING WHEELS

For polishing and buffing metal surfaces. Coated with abrasive, can be used for smooth finish grinding or rough polishing.

ALTERNATING CURRENT UNITS
ALL BALL BEARINGS

Precision built, quiet, smooth running and designed for continuous production. Heavy-duty motors dynamically balanced, with every safeguard against overload—completely sealed against dirt and grit. Lifetime lubricated ball bearings.

SPECIFICATIONS

| HP | Catalog No. | Voltages AC 50/60 cycle | Phase | Speed RPM | Wheel Size | Hole Dia. | Space Between Wheels | Net Wgt. (lbs.) | Shp. Wgt. (lbs.) |
|------|-------------|-------------------------|-------|-----------|------------|-----------|----------------------|-----------------|------------------|
| 1/4 | 4900 | 115* | 1 | 3440 | 6" x 5/8"† | 1/2" | 10 5/8" | 35 | 39 |
| 1/3 | 4920 | 115* | 1 | 3450 | 6" x 3/4" | 1/2" | 13 7/8" | 39 | 42 |
| | 4940 | 230* | 1 | 3450 | 6" x 3/4" | 1/2" | 13 7/8" | 39 | 42 |
| | 4960 | 208/220/440* | 3 | 3450 | 6" x 3/4" | 1/2" | 13 7/8" | 39 | 42 |
| 1/2 | 4980 | 115 | 1 | 3450 | 7" x 1" | 5/8" | 14 3/4" | 77 | 82 |
| 5000 | 230 | 1 | 3450 | 7" x 1" | 5/8" | 14 3/4" | 77 | 82 | 82 |
| 5020 | 208/220/440 | 3 | 3450 | 7" x 1" | 5/8" | 14 3/4" | 77 | 82 | 82 |
| 3/4 | 5040 | 115/230 | 1 | 3450 | 8" x 1" | 5/8" | 16 1/8" | 83 | 92 |
| 5060 | 208/220/440 | 3 | 3450 | 8" x 1" | 5/8" | 16 1/8" | 83 | 92 | 88 |
| 1 | 5080 | 115/230 | 1 | 1725 | 10" x 1" | 3/4" | 20" | 163 | 168 |
| | 5100 | 208/220/440 | 3 | 1725 | 10" x 1" | 3/4" | 20" | 163 | 168 |

*60 cycle only

†Replacement wheels are 3/4" as shown below.

GRINDING WHEELS

| | Catalog No. | Size (In.) | Hole Dia. |
|-------------|-------------|------------|-----------|
| COARSE GRIT | 49-92-3140 | 6 x 3/4 | 1/2" |
| | 49-92-4200 | 7 x 1 | 5/8" |
| | 49-92-5300 | 8 x 1 | 5/8" |
| | 49-92-7200 | 10 x 1 | 3/4" |
| MEDIUM GRIT | 49-92-3160 | 6 x 3/4 | 1/2" |
| | 49-92-4220 | 7 x 1 | 5/8" |
| | 49-92-5320 | 8 x 1 | 5/8" |
| | 49-92-7220 | 10 x 1 | 3/4" |
| FINE GRIT | 49-92-3180 | 6 x 3/4 | 1/2" |
| | 49-92-4240 | 7 x 1 | 5/8" |
| | 49-92-5340 | 8 x 1 | 5/8" |
| | 49-92-7240 | 10 x 1 | 3/4" |

| Catalog No. | Dia. (In.) | Hole Dia. |
|-------------|------------|-----------|
|-------------|------------|-----------|

KNOT WIRE BRUSHES

| | | |
|------------|----|------|
| 48-52-2400 | 6 | 1/2" |
| 48-52-2600 | 7 | 5/8" |
| 48-52-4800 | 10 | 3/4" |

CLOTH BUFFING WHEELS

| | | |
|------------|----|------|
| 49-93-0080 | 6 | 1/2" |
| 49-93-0100 | 7 | 5/8" |
| 49-93-0110 | 10 | 3/4" |

WHEN ORDERING, USE CATALOG NUMBERS

SANDER-GRINDERS

ALL BALL and ROLLER BEARINGS

for HEAVY-DUTY AUTOMOTIVE and INDUSTRIAL USE
in 7" or 9" Sizes • All 5000 RPM • All Full 1½ HP



9"
CATALOG
NO. 6060

7"
CATALOG
NO. 6100

CATALOG NO. 6020 7" Diameter. Widely used in auto body shops, garages, by sheet metal fabricators and on farms for sharpening plows and disc harrows. Can be converted from sanding to grinding or wire brushing. Furnished with nested spring steel backing discs of 5" and 7" diameters. One each sample 36 and 60 grit 7" diameter sanding disc included.

CATALOG NO. 6060 9" Diameter. Specially built for continuous duty service in heaviest type of work. High speed and high torque give best performance under maximum load. Furnished with three nested spring steel backing discs of 5", 7", and 9" diameters. One each 36 and 60 grit 9" diameter sample sanding disc included.

CATALOG NO. 6080 Tool Only. The same powerful sander-grinder as catalog No. 6060 less disc assembly, hub, and sanding discs. For use with cup wire brushes and flared cup grinding wheels—available as accessories.

CATALOG NO. 6100 9" diameter. Designed especially for the welder. With the same power and characteristics as Catalog No. 6060 but with 9" x ¼" Flat Rough Reinforced Grinding Disc in place of Nested Spring Steel Backing Pad assembly and Abrasive Sanding Discs. Steel guard No. 49-12-0090 also furnished.

SPECIFICATIONS

ALL TOOLS SHOWN HAVE $\frac{5}{8}$ -11" THREAD.
LENGTH OF TOOLS 15½" NOT INCLUDING DISC.

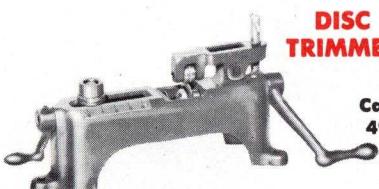
| Catalog No. | Speed (rpm) | Disc Dia. (In.) | AC/DC Volts | Net Wgt. (Lbs.) | Shp. Wgt. (Lbs.) |
|-------------|-------------|-----------------|-------------|-----------------|------------------|
| 6020 | | 7 | 115 | 13 | 18 |
| 6060 | | 9 | 115 | 13½ | 18 |
| 6080* | 5000 | — | 115 | 12½ | 17 |
| 6100 | | 9 | 115 | 15½ | 20 |

230 Volts Available. Add -2 after catalog number

*Less disc assembly and hub.

DISC TRIMMER

Catalog No.
49-84-0050



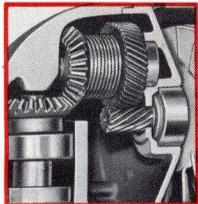
Abrasive Discs can be quickly cut down to smaller useable diameters to gain maximum service life. Equipped with adjustable center hole pilot and calibrated trim size indicator. Shipping weight 5 lbs.

WHEN ORDERING, USE CATALOG NUMBERS

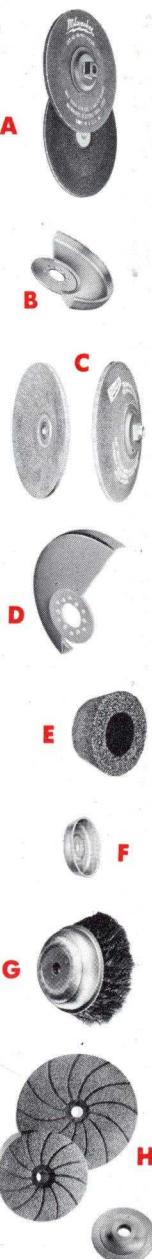
... With *Exclusive*

SPRING LOADED CLUTCH DRIVE

Assures smoother running and prevents harmful backlash shock of heavy or unbalanced grinding wheels to driving mechanism. Greatly increases gear life. Large fan and exhaust ports direct air over disc, keeps work area free of dust, grit and dissipates heat in operation.



ACCESSORIES



| Description § | | Catalog No. |
|---|---|--|
| FLAT REINFORCED GRINDING DISCS | | |
| A | ROUGH With $\frac{5}{8}$ " - 11 | 7" x ¼" 49-93-3110 9" x ¼" 49-93-3230 |
| | FINISH Threaded Hub | 7" x ¼" 49-93-3170 9" x ¼" 49-93-3290 |
| B | GUARD | Fits 7" 49-12-0080 Fits 9" 49-12-0090 |
| | | |
| CURVED REINFORCED GRINDING DISCS | | |
| C | ROUGH With $\frac{5}{8}$ " - 11 | 7" x ¼" 49-93-3120 9" x ¼" 49-93-3240 |
| | FINISH Threaded Hub | 7" x ¼" 49-93-3180 9" x ¼" 49-93-3300 |
| D | GUARD | Fits 7" 49-12-0100 Fits 9" 49-12-0110 |
| FLARED CUP GRINDING WHEELS | | |
| E | 4" FLARE DIA. FOR 7" | $\frac{1}{2}$ " - 13 Thread 49-93-5100 $\frac{5}{8}$ " - 11 Thread 49-93-5140 |
| | 5" FLARE DIA. FOR 9" | $\frac{1}{2}$ " - 13 Thread 49-93-5180 $\frac{5}{8}$ " - 11 Thread 49-93-5220 |
| F | GUARD | For 4" Flared Cup 49-12-0060 For 5" Flared Cup 49-12-0070 |
| KNOT WIRE CUP BRUSHES | | |
| G | 4" DIA. FOR 7" | $\frac{1}{2}$ " - 13 Thread 48-52-1200 $\frac{5}{8}$ " - 11 Thread 48-52-1300 |
| | 6" DIA. FOR 9" | $\frac{1}{2}$ " - 13 Thread 48-52-1500 $\frac{5}{8}$ " - 11 Thread 48-52-1600 |
| ABRASIVE SANDING DISCS | | |
| H | 16 Grit | 48-80-2000 |
| | 24 Grit | 48-80-2050 |
| | 36 Grit | 48-80-2100 |
| | 60 Grit | 48-80-2200 |
| | 80 Grit | 48-80-2250 |
| I | PACKED ONLY IN BOXES OF 10 DISCS | |
| | 16 Grit | 48-80-2500 |
| | 24 Grit | 48-80-2550 |
| | 36 Grit | 48-80-2600 |
| | 60 Grit | 48-80-2700 |
| I | DISC WHEEL HUB ADAPTER | 48-03-1000 |
| | For use with depressed center hub wheels with $\frac{5}{8}$ " diam. hole. | |
| | 1 LB. TYPE C GREASE | 49-08-1000 |

§ For CURRENT and PREVIOUS MODELS. Check thread size.

Exclusive . . . NESTED SPRING STEEL BACKING PAD

Lightest, perfectly balanced sander pads provide flexibility for curves and contours. Made up of 3 spring steel discs, 5", 7" and 9" diameters. The 5" disc is integral with a hub and a disc nut holds the assembly on the spindle. By removing the outer disc, the abrasive papers trimmed to the next smallest diameter, afford greater economy.

| Description | Dia. | Catalog No. |
|-------------------------------|------|-------------|
| COMPLETE DISC ASSEMBLY | 5" | 48-80-0750 |
| | 7" | 49-36-3100 |
| | 9" | 49-36-3300 |
| SPRING STEEL DISC | 7" | 48-80-0900 |
| | 9" | 48-80-1100 |



METAL CUTTING SHEAR



CATALOG No. 6800

- High Speed, 4000 strokes per minute.
- Exclusive accurate cutting mechanism.
- Clear, unobstructed visibility.
- Handle is forward and low for easy guiding.
- Leaves edges smooth—free of burrs.
- Cuts close curves either right or left.

**16 Gauge Capacity in Cold Rolled Steel
Heavier on Trim Cuts • Cuts 17 Gauge Stainless
Greater Capacity in Non-Ferrous Metals**

SPECIFICATIONS

| | |
|--------------------------------------|-----------------|
| Capacity in Steel | 16 Ga. (.0598") |
| Capacity in Stainless | 17 Ga. (.0562") |
| Minimum Radius (L.H.) | 1/2" |
| Minimum Radius (R.H.) | 1" |
| Strokes per minute—No load | 4000 |
| Net Weight | 5 1/4 lbs. |
| Shipping Weight | 9 lbs. |

Standard Equipment includes one extra pair of cutter blades Catalog No. 48-44-0070; one set of blade adjustment feeler gauges Catalog No. 49-11-0050; and socket wrench Catalog No. 49-96-0060.

ACCESSORIES

Cutter Blades (set) Cat. No. 48-44-0070
Feeler Gauges Cat. No. 49-11-0050
Socket Wrench Cat. No. 49-96-0060

"PITTSBURGH LOCK" HAMMER



CATALOG NO. 5400

Volts 115 AC-DC
Net Weight 10 lbs.
Shipping Weight 14 lbs.

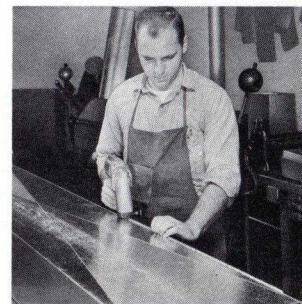
For Sheet Metal, Heating and Air Conditioning Contractors—closes seams neatly at a rate of up to 20 feet per minute. Powerful 115 volt AC-DC motor—smooth running and easy to use—weight rests on work. Position of handle affords positive control and balance—Auxiliary knob handle for two hand operation on heavy gauge metals. Guides easily along seam on straight runs or curves. Ruggedly designed for high volume, heavy-duty production use—in the shop or on the job.

- Ends Hand Hammering
- Fast — Powerful
- Rugged — Durable

CAPACITY 30 to 22 Gauge Sheet Metal



Specially designed hammer mechanism of hardened tool steel. Closes seams flush and secure. Shoe guide assures proper positioning. Closing duct seams neat and quick is easy for the operator.



POWER PACS



"Power Pac" Drills with their specially designed rigid type mountings are adaptable for use in varied production drilling applications. Built especially for gang or multiple drilling. Contact your MILWAUKEE Distributor for dimension and clearance specifications on these tools.

1/4 H.P.
DRILL

1/4 H. P. DRILLS

| Catalog No. | Chuck Cap. | No Load Speed | Gear Train |
|-------------|------------|---------------|------------|
| 0420 | 1/4" | 2000 | |
| 0440 | 1/4" | 3500 | |
| 0480 | 1/4" | 2500 | |
| 0500 | 5/16" | 1000 | |
| 0520 | 3/8" | 650 | Double |

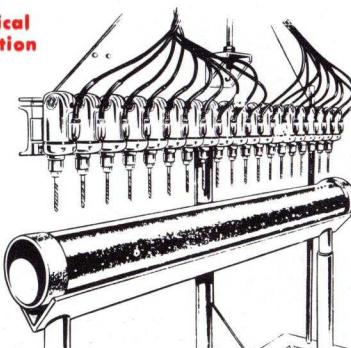
| Catalog No. | Chuck Cap. | No Load Speed | Gear Train |
|-------------|------------|---------------|------------|
| 1300 | 1/4" | 2000 | |
| 1320 | 5/16" | 1400 | |
| 1340 | 3/8" | 1000 | |
| 1360 | 3/8" | 850 | |
| 1380 | 1/2" | 560 | |
| 1400 | 1/2" | 450 | |
| 1420 | 1/2" | 320 | Triple |

1/3 H.P.
DRILL

PRODUCTION ELECTRIC DRILLS FOR LOW COST SEMI-AUTOMATION

MILWAUKEE Power Pacs are the only portable electric tools readily adapted to stationary mounting . . . The most inexpensive method to set up for semi-automation. All tools have ball and roller bearings . . . heat-treated steel gears . . . hardened shafts. Drills available in 1/4", 5/16", 3/8" and 1/2" capacities with Jacobs industrial key chucks and in speeds of 320 to 3500 rpm.

A typical application



Low cost multiple drilling of seepage holes in drain pipe with Power Pac Drills mounted on a specially built fixture.

These are specialty tools made to order . . . not stock items.

IMPACT WRENCH

HEAVY - DUTY

ELECTRIC



ONLY 7 1/4 lbs.
11 1/4" long

1/2" SQUARE DRIVE

| Catalog No. | Impacts Per Min. | Speed RPM | Foot Lbs. Torque | Volts | Shp. Wt. Lbs. |
|-----------------------------|------------------|-----------|------------------|-----------|---------------|
| 9000 LESS CASE 9020 KIT* | 2000 | 2000 | 100 | 115 22 | |

*Kit contains Impact Wrench in steel carrying case with eight Heavy-Duty Impact Type Hex Sockets in sizes $\frac{7}{16}$ ", $\frac{1}{2}$ ", $\frac{9}{16}$ ", $\frac{5}{8}$ ", $\frac{11}{16}$ ", $\frac{3}{4}$ ", $\frac{13}{16}$ " and $\frac{7}{8}$ " . . . one Collet Chuck No. 48-66-0050 capacity $\frac{3}{16}$ " to $\frac{7}{8}$ " for round shanks and No. 10 to $\frac{1}{2}$ " taps or E-Z outs . . . one Quick Change Chuck No. 48-66-0060 for $\frac{7}{16}$ " Hex Shank Screw Driver Bits . . . Open End Wrench No. 49-96-4680 for Collet Chuck . . . one tube lubricant No. 49-08-0100.



No. 48-03-0100

Fitted for $\frac{1}{2}$ " square drive for drills, reamers and other accessories . . . with No. 2 Morse Taper shanks.

DRIFT KEY No. 48-86-0060

No. 2 to No. 1 MORSE TAPER SLEEVE

No. 48-03-0300

No. 2 M.T. Sleeve with a No. 1 M.T. Shank for use with No. 2 M.T. Adapter No. 48-03-0100 permits use of any accessory with No. 1 M.T. Shank. **DRIFT KEY No. 48-86-0050**

DIE HOLDER No. 49-17-0150

For threading or rethreading damaged threads on bolts or studs. Takes standard $1\frac{1}{2}$ " round dies.

OPEN END WRENCH No. 49-96-4680 Included and used with Collet Chuck No. 48-66-0050

CARRYING CASE ONLY No. 48-55-2550

SPECIAL LUBRICANT No. 49-08-0100

For mechanism— $3\frac{1}{2}$ oz. tube.

- Simple, rugged design
- Full power in forward or reverse
- Light weight — Perfect balance
- No kickback or twist
- Runs continuously with constant torque
- No stall, overload or motor burnout

The finest, most powerful impact wrench of its kind on the market for setting, running or removing bolts, nuts, studs and screws . . . also taps, threads, rethreads, drills and reams. Simple, rugged mechanism assures excellent performance and long life. Highest quality components include unit thrust bearings for spring and impact mechanism, chrome alloy steel balls and large planet gear pins in three planet system. Anvil, hammer and planetary gear cage are forged from selected alloy steel and heat treated for heavy-duty service. Heavy reinforced die-cast housing. Complete tool can be disassembled with hex key wrench furnished with the tool. Forward and reverse rotation is achieved by turning rear end cap. Brushes shift automatically for best commutation and efficiency. Anvil with industrial type locking pin is available on special order. Tool has 25 feet of cord. A tube of lubricant is supplied.



COLLET CHUCK
No. 48-66-0050

For round shank tools, drills and reamers $\frac{3}{16}$ " to $\frac{7}{8}$ " diameter . . . also taps and E-Z outs No. 10 to $\frac{1}{2}$ ". Two wrenches are included.



QUICK CHANGE CHUCK
No. 48-66-0060

With $\frac{7}{16}$ " Hex Socket for Screw Driver Bits or other accessories with $\frac{7}{16}$ " Hex Shanks.



KEYLESS CHUCK
No. 48-66-0010

Adapts to $\frac{1}{2}$ " Square Drive with capacity for accessories with $\frac{1}{8}$ " to $\frac{1}{2}$ " diameter shanks.



**STUD SETTER-
REMOVER**

No. 49-96-9100

Fits $\frac{1}{2}$ " Square Drive. Easily sets or removes studs $\frac{1}{4}$ " to $\frac{1}{2}$ " diameter.



EXTENSION BAR

No. 48-95-5000

Adapts to $\frac{1}{2}$ " Square Drive. Provides 5" additional length where required for use with sockets or other accessories.

**HEAVY-DUTY
IMPACT HEX SOCKETS**

Single broached, standard length, Specially made for Impact Wrench. Adaptable to $\frac{1}{2}$ " Square Drive.

| Size | Catalog No. |
|-------------------|-------------|
| $\frac{7}{16}$ " | 49-66-3070 |
| $\frac{1}{2}$ " | 49-66-3080 |
| $\frac{9}{16}$ " | 49-66-3090 |
| $\frac{5}{8}$ " | 49-66-3100 |
| $\frac{11}{16}$ " | 49-66-3110 |
| $\frac{3}{4}$ " | 49-66-3120 |
| $\frac{13}{16}$ " | 49-66-3130 |
| $\frac{7}{8}$ " | 49-66-3140 |



UNIVERSAL JOINT
No. 48-03-0500

Fits $\frac{1}{2}$ " Square Drive and used with Hex Sockets to reach difficult places at various angles . . . also allows clearance around obstructions.

Handles Screw Driver Bits with $\frac{7}{16}$ " Hex Shanks. See Page 16 lower right hand table.

Handles Hole Saws to 2" dia. under ideal conditions. See page 7.

POLISHERS

7" and 9" Diameter Sizes for Production Work

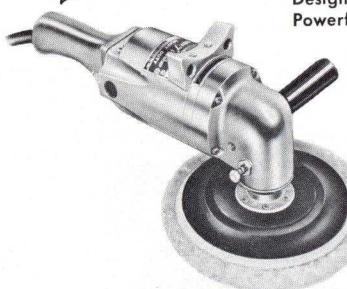


BALL and ROLLER BEARINGS

With *Exclusive*

SPRING LOADED CLUTCH DRIVE

Assures smooth running—greatly increases gear life—prevents harmful backlash. Designed for continuous heavy-duty use. Rugged, Powerful—Perfectly balanced.



7" Dia. Cat. No. 5450 Lightweight polisher, 1750 RPM for use with standard liquid polishes.

7" Dia. Cat. No. 5530 Lightweight polisher, 2800 RPM for exclusive use with high speed liquid machine polishes.

9" Dia. Cat. No. 5590 More powerful polisher, 1450 RPM. Handles the larger diameter pads and bonnets. Especially recommended for rubbing and compounding.

Furnished with each polisher are a rubber backing pad, polishing pad and one free quart sample can of Blu Shel polish.

Blu Shel CAR POLISH

Cleans, polishes, and seals automotive finishes. Leaves a dry, brilliant finish. It is free of harmful chemicals.



| Catalog No. | Description | Shp. Wgt. Lbs. |
|-------------|-------------|----------------|
| 49-43-0050 | 1 Qt. | 3 |
| 49-43-0051 | 12 Qt. Case | 33 |
| 49-43-0060 | 1 Gal. | 10 |
| 49-43-0061 | 6 Gal. Case | 60 |

SPECIFICATIONS

| Catalog No. | Disc Dia. | AC/DC Volts | Speed No Load (RPM) | Lgth. (in.) | Net Wgt. (Lbs.) | Shp. Wgt. (Lbs.) |
|-------------|-----------|-------------|---------------------|------------------|------------------|------------------|
| 5450 | 7" | 115 | 1750 | 14 $\frac{1}{2}$ | 9 $\frac{1}{4}$ | 16 |
| 5530 | 7" | 115 | 2800 | 14 $\frac{1}{2}$ | 9 $\frac{1}{4}$ | 16 |
| 5590 | 9" | 115 | 1450 | 15 $\frac{1}{4}$ | 12 $\frac{3}{4}$ | 20 |

† Over-all length of tool only—not including pad.



Moulded Rubber
Backing Pad



Lambswool
Pad



Polishing
Pad



Lambswool
Bonnet

| Catalog No. | Description |
|-------------|---|
| 49-36-2500 | 7" dia. Moulded Rubber Pad |
| 49-36-2200 | 8 $\frac{1}{2}$ " dia. Moulded Rubber Pad |
| 49-36-1400 | 7 $\frac{1}{2}$ " dia. Polishing Pad |
| 49-36-1600 | 9" dia. Polishing Pad |
| 49-36-0500 | 7" dia. Lambswool Pad |
| 49-36-0700 | 9" dia. Lambswool Pad |
| 48-48-0500 | 7" dia. Lambswool Bonnet |
| 48-48-1000 | 9" dia. Lambswool Bonnet |
| 49-08-1000 | 1 Lb. Type C Grease |



BONNET CLEANING TOOL

Cat. No. 49-80-0050 Quickly fluffs, cleans, buffing pads and bonnets while discs are rotating. Removes glazed surface and loosens packed wool to prolong life. Shp. Wt. 1 lb.

WHEN ORDERING, USE CATALOG NUMBERS

12 VOLT BATTERY POWERED TOOLS



HEAVY
DUTY



PRACTICAL • VERSATILE • ECONOMICAL

Milwaukee Battery Powered Tools can be used anywhere. Carry your power source with you, right to the spot where you're working. Generators and lengthy runs of extension cords are no longer required. The tools have 12 volt motors for use with any 12 volt AC or DC source. V-12 tools are completely shockproof and can be used in wet places . . . even when

standing in water . . . no grounding is necessary. Heavy-Duty tools require a large supply of dependable electric power for continuous operation over extended periods of time. A 12 volt storage battery provides this source for reliability . . . economy . . . more usable power. The degree of battery charge is easily checked and the battery can be fully charged overnight.

LONG LASTING POWER •

1/2" RIGHT ANGLE DRILL KIT

Use for drilling between studs, joists, in close quarters or as a straight drill. Capacity— $\frac{1}{2}$ " in steel. With right angle unit a choice of 2 drilling speeds—high speed for small holes—low speed for large holes where greater torque is required. Kit includes No. 1120 heavy-duty $\frac{1}{2}$ " Drill, No. 2870 Right Angle Drive, wrench, side handle, chuck remover bar and steel carrying case. Net weight (tool only) $8\frac{3}{4}$ lbs.

CATALOG
No. 3120

WITH REVERSING MOTOR
Catalog No. 3120-1



SAWZALL KIT

Powerful, lightweight, electric hacksaw for heavy-duty production or maintenance. $\frac{3}{4}$ " stroke—1850 strokes per minute. Cuts any shape in wood, metal, plastic or composition materials. Furnished complete with steel carrying case and starter set of 22 blades for wood and metal. Net weight (tool only) $6\frac{3}{4}$ lbs. Use only genuine Sawzall Blades. A type and length for every sawing job. See page 9 for complete specifications.

CATALOG
No. 6535



1/4" CAPACITY
CATALOG No. 0125



3/8" CAPACITY
CATALOG No. 0225



CATALOG No. 6545

PORTABLE •

SHOCKPROOF

1/2"
HOLE-SHOOTER



CATALOG
No. 1120

For high torque and maximum power drilling. Compact—lightweight—helical-cut steel gears—ball and roller bearings, Jacobs industrial key chuck, rubber-flex key holder and auxiliary side handle are included. Speed 360 RPM no load. Net weight $6\frac{3}{4}$ lbs.

WITH REVERSING MOTOR

Catalog No. 1120-1



RIGHT ANGLE DRIVE

CATALOG No. 2870

Use with Drill No. 1120. For close quarter drilling. Provides 2 more drilling speeds. See page 5. Head swivels 360 degrees. Locks in any position. Chuck not included Net wt. 2 lbs.

For Drill With Reversing Motor
Cat. No. 2870-1



**SCREW DRIVER -
NUT RUNNER UNIT**

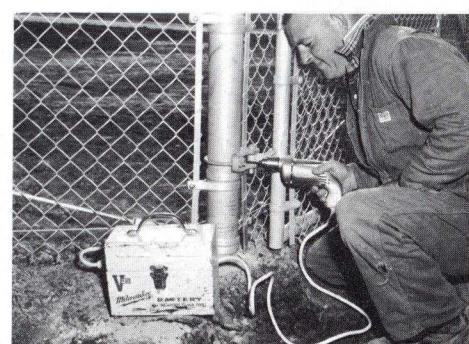
CATALOG No. 2930

Replaces chuck and converts Drill No. 1120 to positive drive clutch Screw Driver or Nut Runner with capacity—wood screws Nos. 10 to 16 and bolts or nuts Nos. 10 to $\frac{3}{8}$ ". Includes 3 sizes of bits and finders also one $\frac{1}{2}$ " square socket driver. Net wt. $1\frac{1}{2}$ lbs.

1/4" and 3/8" PISTOL DRILLS

Most powerful pistol drills made—for continuous production drilling—delivering top horsepower at maximum efficiency. These Drills have ball and roller bearings, double gear reduction, heat-treated alloy steel gears, hardened shafts, lockable pinch-proof trigger. The $\frac{1}{4}$ " Drill speed is 1750 RPM . . . the $\frac{3}{8}$ " Drill speed is 600 RPM. Jacobs industrial key chuck and rubber-flex key holder included. Net weight $\frac{1}{4}$ " Drill $3\frac{3}{4}$ lbs. $\frac{3}{8}$ " Drill 4 lbs.

CATALOG No. 0125 $\frac{1}{4}$ " DRILL
CATALOG No. 0225 $\frac{3}{8}$ " DRILL



SCREW DRIVER - NUT RUNNER

A compact, powerful unit for fast driving of screws, bolts and nuts. Positive drive clutch engages when pressure is applied and stops driving when pressure is released. Heavy-duty . . . Rugged . . . Dependable. Capacity for wood screws No. 4 to 12; for bolts and nuts, Nos. 4 to $\frac{1}{2}$ " up to 2" long. Ball and roller bearings, double gear reduction, heat-treated alloy steel gears and hardened steel shafts. Speed 600 RPM no load. Net weight $4\frac{1}{2}$ lbs.

Battery Powered Drill simplifies work and saves time in erecting metal fences where current is not available. Milwaukee 12 Volt Battery is easily carried to any spot and provides full power for maximum drilling efficiency.

WHEN ORDERING, USE CATALOG NUMBERS



V-12 ACCESSORIES FOR 12 VOLT TOOLS

UNLIMITED 12 VOLT SOURCES • USE ANYWHERE

There are many 12 volt power sources for V-12 Tools.
① MILWAUKEE 12 volt battery and steel carrying case with a built-in outlet for instant operation. ② Any 12 volt battery in automobiles, trucks, tractors, emergency vehicles, boats and mowers. ③ MILWAUKEE Transformer and Battery Charger, converts 115 volt AC service for safe unlimited 12 volt power — charges all 12 volt batteries.



BATTERY and CARRYING CASE

BATTERY Cat. No. 48-11-0050

CARRYING CASE Cat. No. 48-55-0040

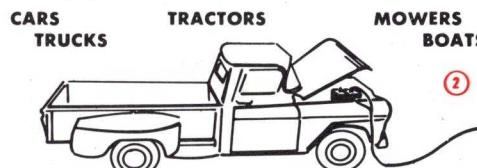
The 12 volt storage battery has a rated capacity of 23 amp. hours. Can be recharged over 400 times. Battery carrying case is wired with outlet for plug-in connection and is used with MILWAUKEE or any 12 volt battery up to 5 1/4" wide, 7 3/4" high and 9" long. Included with carrying case is Battery Electrolyte Checker Catalog No. 48-60-0050

When ordering tools without the MILWAUKEE Battery carrying case, the 6 foot cord with battery clips is required. Cat. No. 48-76-0060.

CADMIUM BELT BATTERY

For maximum portability, a 10 volt, 4 amp. hr. rated, Nickel-Cadmium Battery is available for use with MILWAUKEE 12 Volt tools. Sealed unit clips to belt. Especially suited for high ladder or pole work. Can be recharged over 400 times. Weighs only 3 3/4 lbs. 6 1/2" high x 3" wide.

For use with Pistol Drills and Screw Driver only.



6 FT. CORD with BATTERY CLIPS



Cat. No. 48-76-0060

For connecting V-12 tools to 12 volt batteries in motor vehicles, boats, mowers, etc. Two wire—10 gauge, oil resistant, yellow flexible cord with 2 battery clips and female connection.

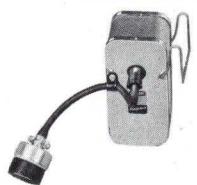
25 FT. EXTENSION CORD

Cat. No. 48-76-0050



Can be used with these MILWAUKEE accessories: battery case, cord with battery clips or direct to transformer. Two wire—10 gauge, oil resistant, yellow flexible cord with male and female connections.

BELT BATTERY and CORD



10 Volt Nickel-Cadmium Battery (less cord). Catalog No. 48-11-0060

12" Adapter Cord furnished separately. Catalog No. 48-76-0090



TRANSFORMER and BATTERY CHARGER

CATALOG NO. 48-55-0035

Converts 115V AC line voltage for Battery Powered Tools. Also recharges 12-volt batteries. Includes 6 foot cord for 115 line voltage and 2 foot 12 volt cord used between battery charger and outlet on battery carrying case. For charging other 12 volt batteries the 6 foot cord with battery clips is required.

CORDS FOR ABOVE

when ordered separately

NO. 48-76-0080 6' for 115 v.

NO. 48-76-0070 2' for 12 v.

CADMIUM BATTERY CHARGER



For 10 Volt Battery. 14 hour fast charge and 30 hour slow charge. Plug into 115 Volt outlet and connect to battery. Cat. No. 48-59-0050

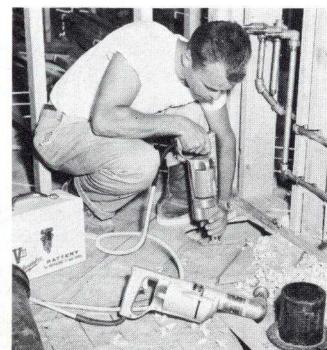
Accessories for Battery Powered Tools, such as Selfeed Bits, Auger Bits, Sawzall Blades, are the same as for 115 Volt tools listed on previous pages.



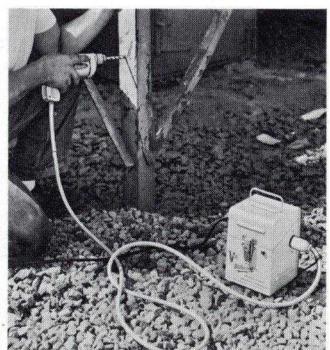
Steel worker is completely safe in rain soaked area drilling 1/2" holes with shockproof MILWAUKEE 12 Volt Right Angle Drill.



For sign mounting in large parking lot, a car battery provides power for 12 Volt, 3/8" Hole-Shooter where line voltage is not available.



Easy portability and immediate power of 12 Volt Tools eliminates extension cords and power plants in new apartment installations.



Transformer converts 115 Volt AC line voltage for operating Battery Powered Tools. Also used for charging 12 Volt batteries.

WHEN ORDERING, USE CATALOG NUMBERS

ALTERNATORS

GASOLINE ENGINE DRIVEN
ALL 3600 RPM • 60 CYCLE • A.C.

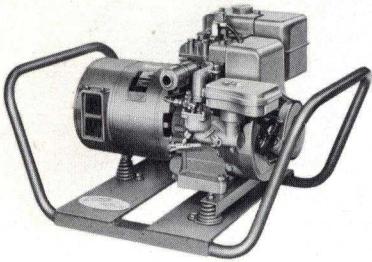


**RELIABLE, LOW COST POWER
FOR CONTRACTORS AND INDUSTRY**

MILWAUKEE Alternators are the most dependable sources of portable electric power. Rectifier-reactor type excitation provides close voltage regulation and a large surge capacity in starting electric motors. From these Alternators with rotating fields, full power is obtained from stationary stator coils in which the connections are solid. This eliminates arcing of the brushes. The only current carried thru the brushes is a low excitation current. Brushes ride on smooth slip rings and there is practically no brush wear. Nationally recognized 4 cycle air cooled gasoline engines are used in this equipment and local service is always available.

- Fast — Convenient — Economical
- Built to the Latest AC Alternator Design
- Compact — Lightweight — Heavy-Duty
- Reactor Control Regulates Voltage + or - 5%
- 25% Reserve Surge Capacity for Motor Starting
- Thermal Overload Protection with Automatic Reset
- Interchangeability of Parts Reduces Maintenance
- Special Mounting Isolates Vibration

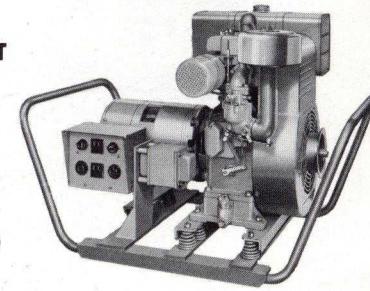
POWERFUL • PORTABLE • MANUAL START



1250 WATTS

3 HP

CATALOG NO. 4370



4000 WATTS

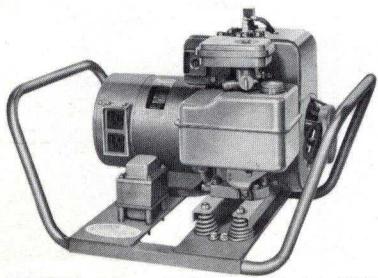
9 HP

CATALOG NO. 4770

ENGINE Briggs & Stratton Model 80432, Series 8, single cylinder, 4 cycle, L head, air cooled. 2 1/2" bore, 1 3/4" stroke. Piston displacement 7.75 cubic inches. Mechanical governor. 3 qt. capacity fuel tank. Visible fuel filter with shut-off valve. Crankcase breather for long engine operation. Manual choke. Recoil starter.

ALTERNATOR Single phase, 115 volt AC, 10.8 amps. 60 cycle. 3600 RPM. Class "F" insulation. Output receptacle — Two 115 volt 2 prong polarized.

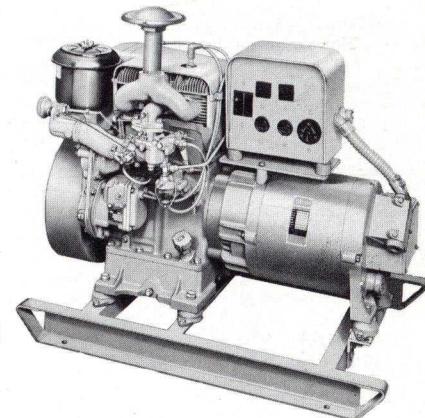
UNIT Complete with carrying handles. Overall dimensions — Length 26", width 15 1/2", height 14 1/2". Net Weight 87 lbs. Shipping Weight 100 lbs.



1750 WATTS

4 HP

CATALOG NO. 4450



Manual Start

CATALOG NO. 4780

7500 WATTS

16.8 HP

Electric Start

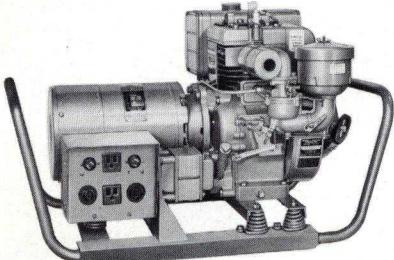
CATALOG NO. 4785

Battery Not Included

ENGINE Briggs & Stratton Model 100232, Series 10, 4 cycle, single cylinder, L head, air cooled. 2 1/2" bore, 2 1/8" stroke. Piston displacement 10.4 cubic inches. Mechanical governor. 3 qt. capacity fuel tank. Visible fuel filter with shut-off valve. Crankcase breather for long engine operation. Manual choke. Recoil starter.

ALTERNATOR Single phase, 115 volt AC, 15.2 amps., 60 cycle, 3600 RPM. Class "F" insulation. Output receptacle — Two 115 volt 2 prong polarized.

UNIT Complete with carrying handles. Overall dimensions — Length 26", width 13 5/8", height 15 3/4". Net Weight 102 lbs. Shipping Wt. 115 lbs.



2500 WATTS

6 HP

CATALOG NO. 4550

ENGINE Briggs & Stratton Model 142432, Series 14, single cylinder, 4 cycle, L head, air cooled. 2 1/2" bore, 2 1/8" stroke. Piston displacement 14.1 cubic inches. Mechanical governor. 4 qt. capacity fuel tank. Visible fuel filter with shut-off valve. Crankcase breather for long engine operation. Manual choke. Recoil starter.

ALTERNATOR Single phase 115/230 volt AC, 21.7 amps. on 115 volts and 10.9 amps. on 230 volts. 60 cycle 3600 RPM. Class "F" insulation. Output receptacle — Two 115 volt polarized, one 115 volt Twist-Lock and one 230 volt Twist-Lock. Full rating available from either 115 or 230 volts.

UNIT Complete with carrying handles. Overall dimensions — Length 31 1/2", width 17 1/2", height 19 1/8". Net Wt. 144 lbs. Shp. Wt. 157 lbs.



2 WHEEL RUBBER TIRE DOLLIES

Available for 1250, 1750, 2500 and 4000 Watt Alternators. Provide ease in handling and portability. Made of steel tubing. Molded rubber grip handle.

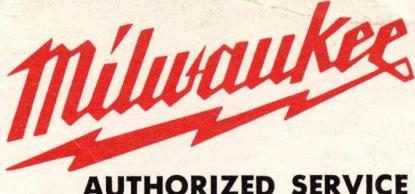
FOR 1250, 1750 AND 2500 WATT UNITS

Net Weight 23 lbs. Shipping weight 26 lbs.

Catalog No. 48-83-0070

FOR 4000 WATT UNIT Net Weight 25 lbs. Ship. Wt. 28 lbs. **Cat. No. 48-83-0080**

WHEN ORDERING, USE CATALOG NUMBERS

AUTHORIZED SALES**AUTHORIZED SERVICE****SALES and SERVICE**

MILWAUKEE Electric Tools are sold only through Authorized Distributors with experienced personnel to assist you in selecting the proper tools for your specific requirements. You derive a real advantage in buying from your MILWAUKEE Distributor. He not only maintains well balanced inventories of tools for immediate shipment, but places at your disposal the services of his trained and experienced personnel to advise you on special production problems. To assure prompt, efficient service, a nation-wide network of Factory Branches and Authorized Service Stations has been established. These organizations, staffed with factory trained service personnel, are your source for normal or warranty MILWAUKEE tool repairs. They carry an adequate stock to supply genuine replacement parts.

MILWAUKEE ELECTRIC TOOL CORPORATION**FACTORY SERVICE**

13135 West Lisbon Road Brookfield, Wis. 53005

SERVICE BRANCHES**ATLANTA**

1434 Tullie Road, N.E.
Atlanta, Georgia 30329
Phone 404 636-4377

BOSTON

143 California St.
Newton, Mass. 02158
Phone 617 244-4483

CHICAGO

5808 W. Higgins Rd.
Chicago, Ill. 60630
Phone 312 282-2021

DETROIT

18244 West 7 Mile Road
Detroit, Mich. 48219
Phone 313 535-0150

LOS ANGELES

2561 W. Olympic Blvd.
Los Angeles, Cal. 90006
Phone 213 382-3000

MINNEAPOLIS

4530 Excelsior Blvd.
St. Louis Park, Minn. 55416
Phone 612 927-6524

NEW YORK

35-01 — 24th St.
Long Island City, N.Y. 11106
Phone 212 361-0330
N.J. 201 622-7752

PHILADELPHIA

8002 W. Chester Pike
Upper Darby, Pa. 19082
Phone 215 789-6332
Phila 215 528-6771

SAN FRANCISCO

329 Littlefield Ave.
So. San Francisco, Cal. 94080
Phone 415 583-8484
S.F. 415 761-2851

SEATTLE

405 Cedar St.
Seattle, Wash. 98121
Phone 206 624-8631

AUTHORIZED SERVICE STATIONS**ALABAMA**

Power Tool Service, Inc.
1113 4th Avenue South
Birmingham, Alabama 35233

IDAHO

K. C. Supply
814 N. Manville Street
Boise, Idaho 83704

NEW YORK (cont.)

Romming Electric Service Co.
125 Charles Avenue (Syracuse)
Syracuse, New York 13209

TEXAS

G. E. Jones Electric Co., Inc.
212 No. Polk
Amarillo, Texas 79105
Smith-Shields Electric Works
4309 Highway 44
Corpus Christi, Texas 78408
Commercial Parts Inc.
2777-G Irving Blvd.
Dallas, Texas 75207
C. R. Stone Electric Company
2003 Pease Avenue
Houston, Texas 77003

ALASKA

Aero Services Co.
1936 E. 5th Ave.
P. O. Box 1554
Anchorage, Alaska 99501

ARIZONA

Glenn's Armature Service
1326 E. Indian School Road
Phoenix, Arizona 85014
Electric Motor Company
1028 E. Broadway
Tucson, Arizona 85719

KANSAS

Witcher Electric Motor Service
108 South Chester
Little Rock, Arkansas 72201

CALIFORNIA

Blockstone Electric Motor Shop
1251 Blackstone Avenue
Fresno, California 93703
Van Alstyne and Son Electric Co.
2512 Broadway
Sacramento, California 95818
California Electric Works (CALEWO)
424 Eighth Ave. P. O. Box 389
San Diego, California 92112

COLORADO

Automotive Tool Service, Inc.
859 Santa Fe Drive
Denver, Colorado 80204

CONNECTICUT

Portable Power Tool Repair Co.
471 Arch Street
New Britain, Connecticut 06051

FLORIDA

Turner Electric Works
1020 E. 8th St. P.O. Box 4247
Jacksonville, Florida 32206
Florida Electric Motor Company
237 N.W. 2nd Avenue
Miami, Florida 33128
Orlando Armature Wks. Inc.
600 W. Central Boulevard
Orlando, Florida 32802
Tampa Armature Wks., Inc.
401 S. Morgan Street
Tampa, Florida 33601

HAWAII
Central Service & Sales, Inc.
677 Auahi Street
Honolulu, Hawaii 96809

INDIANA

Electric Tool & Motor Service, Inc.
1001 North Illinois
Indianapolis, Indiana 46204

IOWA

Iowa Service Company
114 - 12th Street
Des Moines, Iowa 50309

KENTUCKY

Electric Tool Service Corp.
757 Logan Street
Louisville, Kentucky 40204

LOUISIANA

Beerman Precision Machine Wks., Inc.
2021 Thalia Street
New Orleans, Louisiana 70113

MARYLAND

Turner Electric Company
7630 Fenton Street
Takoma Park, Maryland 20012

MISSISSIPPI

Finnigan Electric Co. Inc.
328 Oakdale Street
Jackson, Mississippi 39204

MISSOURI

Heath Electric Service
518 East 16th Street
Kansas City, Missouri 64111
Standard Electric Co., Inc.
2101 Cass Avenue
St. Louis, Missouri 63106

MONTANA

Mosch Electric Motors
326-3rd Avenue South
Great Falls, Montana 59401

NEBRASKA

Thacker Electric Company
2209 Cuming Street
Omaha, Nebraska 68102

NEVADA

Brown-Milberry, Inc.
180 Gentry Way
Reno, Nevada 89502

NEW MEXICO

Electric Service, Inc.
1007 Bridge Boulevard, S.W.
Albuquerque, New Mexico 87105

NEW YORK

Richter Electric Motor Repair
1559 Niagara Street
Buffalo, New York 14213
Barrett Electric Service Co.
108-116 Henry Street
Schenectady, New York 12304

NORTH CAROLINA

Portable Tool Service
724 N. Brevard Street
Charlotte, North Carolina 28206

OHIO

Seifert Tool Service
7351 Montgomery Rd.
Cincinnati, Ohio 45236
Kay-Dee Elec. Motor Repair, Inc.
3407 Saint Clair Avenue
Cleveland, Ohio 44114
B. R. Shoemaker & Son
950 Oakland Park Avenue
Columbus, Ohio 43224
M & R Electric Motor Service, Inc.
1516 East Fifth Street
Dayton, Ohio 45403
Girkins Electric Co.
2056 Canton Avenue
Toledo, Ohio 43620

OKLAHOMA

Carl Krueger Elec. Service Co.
100 N.E. 24th
Oklahoma City, Oklahoma 73105
Hammond Electric Co.
1510 East Third Street
Tulsa, Oklahoma 74120

OREGON

Donaldson Auto Electric Service
500 N.W. 14th Avenue
Portland, Oregon 97209

PENNSYLVANIA

Snyder Electric Company
1500 Chateau Street
Pittsburgh, Pennsylvania 15233

RHODE ISLAND

New England Machine & Electric Co.
77 Bayley St. P. O. Box 696
Pawtucket, Rhode Island 02862

SOUTH CAROLINA

Service Repair Co., Inc.
15 Hyde Street
Greenville, South Carolina 29601
or . . . 1119 Augusta Street
West Columbia, So. Carolina 29169

TENNESSEE

Tennessee Armature and Electric Co.
312 West Jackson Avenue
Knoxville, Tennessee 37901
Southern Electric Company
1057 Union Avenue
Memphis, Tennessee 38104
Tennessee Electric Motor Co.
408 Sixth Avenue South
Nashville, Tennessee 37203

IN CANADA

ALBERTA
Electric Motor Service Ltd.
10589 106th Street
Edmonton, Alberta

BRITISH COLUMBIA
Armature Electric Ltd.
55 W. 8th Street
Vancouver, B.C.

MANITOBA
Western Elec. & Motor Co., Ltd.
123 Princess Street
Winnipeg, Manitoba

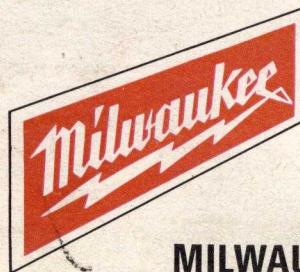
ONTARIO
A. C. Jenkins Electric Repair Co.
289 Ashland Avenue
London, Ontario
Bert Thomas Electric Repair, Ltd.
4578 Yonge Street
Willowdale, Ontario

QUEBEC
Electro-Mecanik, Inc.
135 Trudel Street
Quebec 8, Quebec
Instrument Sales and Service
2185 Hampton Avenue
Montreal 28, Quebec

FACTORY AND GENERAL OFFICES**MILWAUKEE ELECTRIC TOOL CORPORATION**

13135 Lisbon Road, Brookfield, Wisconsin 53005 • Phone: Area Code 414 781-3600

**DRILLS
GRINDERS
HAMMERS
SAWS
SANDERS
POLISHERS
SHEARS
SCREW DRIVERS
NUT RUNNERS
ALTERNATORS**



MILWAUKEE ELECTRIC TOOL CORPORATION

13135 West Lisbon Road

Brookfield, Wisconsin 53005